VOL. 20, No. 1 1983

Technical and Commercial Literature Abstracts

Contents

GENERALIA	7719579L
COMMERCIAL AND ECONOMIC	7719598L
COMPANY ACTIVITIES	7719602L
PRODUCTION ORGANISATION AND PLANNING	7719664L
PURCHASING AND COSTING	–
INDUSTRIAL RELATIONS AND PERSONNEL	7719683C
MARKETING	7719689L
STATISTICS	7719698L
General	7719700L
Machinery	7719702L
Raw materials and monomers	7719704L
Polymers	7719720L
Compounding ingredients	7719736L
Polymeric forms; powders, latices, etc.	–
Semi-finished products; fibres, laminates, etc.	7719738L
Finished products and applications	7719741L
LEGISLATION	7719743L
INDUSTRIAL HEALTH AND SAFETY	7719748L
RAW MATERIALS AND MONOMERS	7719752L
POLYMERS AND POLYMERISATION	–
POLYMERISATION PROCESSES AND CATALYSTS	7719754A
NATURAL POLYMERS	7719756L
ADDITION POLYMERS	–
Aliphatic Olefin Polymers including polyethylene and polypropylene	7719758L
Aromatic Olefin Polymers including polystyrene	7719760L
Aliphatic–substituted Olefin Polymers	–
Alcohol Polymers	–
Acetal Polymers	–
Vinyl Ester and Allyl Ester Polymers	7719763A
Acrylic Polymers	7719764L
Vinyl Ether, Aldehyde and Ketone Polymers	–
Halo–olefin Polymers including PVC and PTFE	7719766A
Nitrogen–containing Polymers	–
Diolefin Polymers including polybutadiene and polyisoprene	–
CONDENSATION POLYMERS	7719768L
Polyesters (saturated), Polycarbonates	7719769L
Polyamides, Polyimides	7719771L
Polyethers	7719773L
Polyurethanes, Polyureas	–
Polyanhydrides	–
Polyesters (unsaturated), Epoxy Resins, Alkyd Resins	7719774L
CONDENSATION RESINS	7719776L
INORGANIC POLYMERS	7719777A
DIAZO DECOMPOSITION POLYMERS	–

OL.
0
983

COMPOUNDING INGREDIENTS 7719779A
FILLERS AND REINFORCING AGENTS 7719781L
PIGMENTS AND DYES 7719796L
PLASTICISERS AND EXTENDERS 7719799L
PROTECTIVE AGENTS 7719801A
CROSSLINKING SYSTEMS 7719807C
ODORANTS ..... –
BLOWING AGENTS 7719814L
SOLVENTS ..... –
SURFACTANTS AND OTHER PROCESSING AGENTS 7719815C
TEXTILES: FIBRES AND FABRICS 7719823L

INTERMEDIATE AND SEMI-FINISHED PRODUCTS ..... –
LATICES, SOLUTIONS AND PLASTISOLS 7719824L
FOAMS 7719835L
BLENDS 7719839L
LIQUID POLYMERS 7719841L
THERMOPLASTIC RUBBERS 7719842A
MIXES AND COMPOUNDS 7719844A
POWDERS 7719846L
EXTRUDATES ..... –
SHEETING AND FILM 7719851L
LAMINATES AND REINFORCED PLASTICS 7719864L
COATED MATERIALS ..... –
POLYMER BOUND FIBROUS MATERIALS ..... –
POLYMER BOUND NON-FIBROUS MATERIALS 7719952C
SYNTHETIC LEATHER ..... –
FIBRES 7719953L
SCRAP POLYMERS ..... –

APPLICATIONS 7719954L
ADHESIVES, SEALANTS AND COATINGS 7719974L
BELTING 7720008A
CLOTHING AND FOOTWEAR 7720010L
DOMESTIC FURNISHINGS AND FITTINGS 7720011L
ELECTRICAL APPLICATIONS 7720016L
FANCY GOODS ..... –
GAMES AND SPORTS GOODS 7720041L
HOSE, TUBING AND PIPING 7720045A
MECHANICAL APPLICATIONS 7720068L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7720086A
INSULATION (NON-ELECTRICAL) 7720088L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, ION-EXCHANGE RESINS 7720101L
VEHICLE SHELLS AND ACCESSORIES 7720104L
PACKAGING AND CONTAINERS 7720131L
ROADS, FLOORING AND BUILDING PARTS ..... –
SURGICAL AND VETERINARY APPLICATIONS 7720180L
TYRES AND TRACKS 7720192A
VIBRATION DAMPERS AND SPRINGS 7720203L
ROLLERS ..... –
STATIONERS' GOODS 7720206A
MISCELLANEOUS GOODS 7720207L

PROCESSING AND TREATMENT 7720209L
PRELIMINARY PROCESSES 7720213L
EXTRUSION 7720231L
MOULDING 7720238L
CALENDERING ..... –
SHEET FORMING ..... –
OTHER SHAPING PROCESSES 7720272L

VOL.
20
1983

COATING AND IMPREGNATING	–
LAMINATING	7720273L
VULCANISATION	7720274L
BONDING	7720275L
MACHINING FINISHING AND SURFACE TREATMENT	7720282L
REPAIRING AND RETREADING	–
RECLAIMING	–
CONTROL EQUIPMENT	7720316L
PROPERTIES AND TESTING	7720325L
ANALYSIS AND TESTING	7720326A
STRUCTURE AND MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7720327L
ODOUR, TASTE, AND TOXICITY	7720342A
AGEING AND CHEMICAL ATTACK	7720347L
COLLOIDAL PROPERTIES	–
MECHANICAL PROPERTIES	7720361L
THERMAL AND FLAMMABILITY PROPERTIES	7720369L
ELECTRICAL AND MAGNETIC PROPERTIES	7720374L
OPTICAL PROPERTIES AND SPECTROSCOPY	7720375L
RHEOLOGICAL PROPERTIES	7720380L
MORPHOLOGICAL PROPERTIES	7720384L
OTHER PROPERTIES, INCLUDING ADHESION	7720388L
NON-DESTRUCTIVE TESTING	7720390L

OL.
0
983

VOL.
20
1983

VOL. 20, No. 2 1983

Technical and Commercial Literature Abstracts

Contents

GENERALIA	7720391A
COMMERCIAL AND ECONOMIC	7720404C
COMPANY ACTIVITIES	7720406C
PRODUCTION ORGANISATION AND PLANNING	7720483A
PURCHASING AND COSTING	7720497C
INDUSTRIAL RELATIONS AND PERSONNEL	7720500L
MARKETING	7720502L
STATISTICS	7720508C
General	–
Machinery	7720513L
Raw materials and monomers	7720515C
Polymers	7720529C
Compounding ingredients	7720545L
Polymeric forms; powders, latices, etc.	7720550L
Semi-finished products; fibres, laminates, etc.	7720551C
Finished products and applications	7720554C
LEGISLATION	7720559L
INDUSTRIAL HEALTH AND SAFETY	7720560A
RAW MATERIALS AND MONOMERS	7720565C
POLYMERS AND POLYMERISATION	7720570C
POLYMERISATION PROCESSES AND CATALYSTS	7720571A
NATURAL POLYMERS	7720577L
ADDITION POLYMERS	–
Aliphatic Olefin Polymers including polyethylene and polypropylene	7720578A
Aromatic Olefin Polymers including polystyrene	7720586L
Aliphatic–substituted Olefin Polymers	–
Alcohol Polymers	–
Acetal Polymers	–
Vinyl Ester and Allyl Ester Polymers	7720588L
Acrylic Polymers	7720589L
Vinyl Ether, Aldehyde and Ketone Polymers	7720600L
Halo–olefin Polymers including PVC and PTFE	7720602L
Nitrogen–containing Polymers	7720605L
Diolefin Polymers including polybutadiene and polyisoprene	7720606L
CONDENSATION POLYMERS	–
Polyesters (saturated), Polycarbonates	7720608C
Polyamides, Polyimides	7720614L
Polyethers	7720618A
Polyurethanes, Polyureas	7720620A
Polyanhydrides	–
Polyesters (unsaturated), Epoxy Resins, Alkyd Resins	7720623C
CONDENSATION RESINS	7720628L
INORGANIC POLYMERS	7720629L
DIAZO DECOMPOSITION POLYMERS	–

OL.
0
983

COMPOUNDING INGREDIENTS	–
FILLERS AND REINFORCING AGENTS	7720630L
PIGMENTS AND DYES	7720644A
PLASTICISERS AND EXTENDERS	7720646A
PROTECTIVE AGENTS	7720654A
CROSSLINKING SYSTEMS	7720663L
ODORANTS	–
BLOWING AGENTS	7720672L
SOLVENTS	7720673L
SURFACTANTS AND OTHER PROCESSING AGENTS	7720676L
TEXTILES: FIBRES AND FABRICS	–
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	7720678L
LATICES, SOLUTIONS AND PLASTISOLS	7720680L
FOAMS	7720716A
BLENDS	7720731L
LIQUID POLYMERS	7720750L
THERMOPLASTIC RUBBERS	7720751C
MIXES AND COMPOUNDS	–
POWDERS	7720753L
EXTRUDATES	7720755A
SHEETING AND FILM	–
LAMINATES AND REINFORCED PLASTICS	7720770A
COATED MATERIALS	7720775L
POLYMER BOUND FIBROUS MATERIALS	–
POLYMER BOUND NON-FIBROUS MATERIALS	7720776C
SYNTHETIC LEATHER	–
FIBRES	7720777L
SCRAP POLYMERS	7720785L
APPLICATIONS	7720787C
ADHESIVES, SEALANTS AND COATINGS	7720798A
BELTING	7720824L
CLOTHING AND FOOTWEAR	–
DOMESTIC FURNISHINGS AND FITTINGS	7720826L
ELECTRICAL APPLICATIONS	7720828A
FANCY GOODS	7720835L
GAMES AND SPORTS GOODS	7720836L
HOSE, TUBING AND PIPING	7720837A
MECHANICAL APPLICATIONS	7720842A
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7720853A
INSULATION (NON-ELECTRICAL)	7720855A
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, ION-EXCHANGE RESINS	7720865L
VEHICLE SHELLS AND ACCESSORIES	7720877L
PACKAGING AND CONTAINERS	7720882A
ROADS, FLOORING AND BUILDING PARTS	7720888C
SURGICAL AND VETERINARY APPLICATIONS	7720906A
TYRES AND TRACKS	7720913C
VIBRATION DAMPERS AND SPRINGS	7720920A
ROLLERS	–
STATIONERS' GOODS	–
MISCELLANEOUS GOODS	–
PROCESSING AND TREATMENT	–
PRELIMINARY PROCESSES	7720925A
EXTRUSION	7720931L
MOULDING	7720941L
CALENDERING	–
SHEET FORMING	–
OTHER SHAPING PROCESSES	–
COATING AND IMPREGNATING	7720962L

VOL. 20 1983

LAMINATING	–
VULCANISATION	7720963L
BONDING	7720968L
MACHINING FINISHING AND SURFACE TREATMENT	7720970A
REPAIRING AND RETREADING	–
RECLAIMING	–
CONTROL EQUIPMENT	7720978A
PROPERTIES AND TESTING	–
ANALYSIS AND TESTING	7720984A
STRUCTURE AND MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7721002A
ODOUR, TASTE, AND TOXICITY	7721023C
AGEING AND CHEMICAL ATTACK	7721024L
COLLOIDAL PROPERTIES	–
MECHANICAL PROPERTIES	–
THERMAL AND FLAMMABILITY PROPERTIES	7721098A
ELECTRICAL AND MAGNETIC PROPERTIES	7721126A
OPTICAL PROPERTIES AND SPECTROSCOPY	7721155L
RHEOLOGICAL PROPERTIES	7721183A
MORPHOLOGICAL PROPERTIES	7721216C
OTHER PROPERTIES, INCLUDING ADHESION	7721218A
NON-DESTRUCTIVE TESTING	–

OL.
O
983

VOL.
20
1983

VOL. 20, No. 3 1983

Technical and Commercial Literature Abstracts

Contents

GENERALIA	7721224C
COMMERCIAL AND ECONOMIC	–
COMPANY ACTIVITIES	7721237L
PRODUCTION ORGANISATION AND PLANNING	7721247L
PURCHASING AND COSTING	7721249L
INDUSTRIAL RELATIONS AND PERSONNEL	–
MARKETING	–
STATISTICS	7721251A
General	7721252A
Machinery	7721254L
Raw materials and monomers	–
Polymers	7721255L
Compounding ingredients	7721258A
Polymeric forms; powders, latices, etc.	–
Semi-finished products; fibres, laminates, etc.	–
Finished products and applications	7721259A
LEGISLATION	7721262L
INDUSTRIAL HEALTH AND SAFETY	7721263L
RAW MATERIALS AND MONOMERS	–
POLYMERS AND POLYMERISATION	7721268A
POLYMERISATION PROCESSES AND CATALYSTS	7721269C
NATURAL POLYMERS	7721277L
ADDITION POLYMERS	7721278L
Aliphatic Olefin Polymers including polyethylene and polypropylene	7721286L
Aromatic Olefin Polymers including polystyrene	7721290L
Aliphatic–substituted Olefin Polymers	7721307L
Alcohol Polymers	–
Acetal Polymers	–
Vinyl Ester and Allyl Ester Polymers	–
Acrylic Polymers	7721309L
Vinyl Ether, Aldehyde and Ketone Polymers	7721324L
Halo–olefin Polymers including PVC and PTFE	7721328L
Nitrogen–containing Polymers	7721332L
Diolefin Polymers including polybutadiene and polyisoprene	7721343L
CONDENSATION POLYMERS	7721350L
Polyesters (saturated), Polycarbonates	7721358L
Polyamides, Polyimides	7721363L
Polyethers	7721378L
Polyurethanes, Polyureas	7721396L
Polyanhydrides	–
Polyesters (unsaturated), Epoxy Resins, Alkyd Resins	7721403L
CONDENSATION RESINS	7721404L
INORGANIC POLYMERS	7721408L
DIAZO DECOMPOSITION POLYMERS	–

OL.
O
983

COMPOUNDING INGREDIENTS	7721422A
FILLERS AND REINFORCING AGENTS	7721427L
PIGMENTS AND DYES	7721437L
PLASTICISERS AND EXTENDERS	7721440C
PROTECTIVE AGENTS	7721452L
CROSSLINKING SYSTEMS	7721460L
ODORANTS	–
BLOWING AGENTS	7721469L
SOLVENTS	7721470L
SURFACTANTS AND OTHER PROCESSING AGENTS	7721471C
TEXTILES: FIBRES AND FABRICS	–
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	7721481L
LATICES, SOLUTIONS AND PLASTISOLS	7721483L
FOAMS	7721541L
BLENDS	7721553L
LIQUID POLYMERS	7721566L
THERMOPLASTIC RUBBERS	7721567C
MIXES AND COMPOUNDS	–
POWDERS	7721577C
EXTRUDATES	–
SHEETING AND FILM	7721578L
LAMINATES AND REINFORCED PLASTICS	7721594L
COATED MATERIALS	–
POLYMER BOUND FIBROUS MATERIALS	7721618L
POLYMER BOUND NON-FIBROUS MATERIALS	7721620C
SYNTHETIC LEATHER	7721628L
FIBRES	7721630L
SCRAP POLYMERS	7721639L
APPLICATIONS	7721641L
ADHESIVES, SEALANTS AND COATINGS	7721644L
BELTING	7721685L
CLOTHING AND FOOTWEAR	7721687L
DOMESTIC FURNISHINGS AND FITTINGS	–
ELECTRICAL APPLICATIONS	7721688C
FANCY GOODS	–
GAMES AND SPORTS GOODS	7721705A
HOSE, TUBING AND PIPING	7721706L
MECHANICAL APPLICATIONS	7721720L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	–
INSULATION (NON-ELECTRICAL)	7721731A
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, ION-EXCHANGE RESINS	7721732L
VEHICLE SHELLS AND ACCESSORIES	7721781L
PACKAGING AND CONTAINERS	7721784L
ROADS, FLOORING AND BUILDING PARTS	7721787C
SURGICAL AND VETERINARY APPLICATIONS	7721803L
TYRES AND TRACKS	7721825L
VIBRATION DAMPERS AND SPRINGS	7721832L
ROLLERS	–
STATIONERS' GOODS	–
MISCELLANEOUS GOODS	–
PROCESSING AND TREATMENT	7721834L
PRELIMINARY PROCESSES	7721838L
EXTRUSION	7721841A
MOULDING	7721848L
CALENDERING	–
SHEET FORMING	7721857C
OTHER SHAPING PROCESSES	–
COATING AND IMPREGNATING	–

VOL. 20 1983

LAMINATING	7721858L
VULCANISATION	7721860L
BONDING	7721861C
MACHINING FINISHING AND SURFACE TREATMENT	–
REPAIRING AND RETREADING	–
RECLAIMING	–
CONTROL EQUIPMENT	7721883L
PROPERTIES AND TESTING	7721887A
ANALYSIS AND TESTING	7721890L
STRUCTURE AND MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7721921L
ODOUR, TASTE, AND TOXICITY	7721955L
AGEING AND CHEMICAL ATTACK	7721958L
COLLOIDAL PROPERTIES	–
MECHANICAL PROPERTIES	7722005C
THERMAL AND FLAMMABILITY PROPERTIES	7722039L
ELECTRICAL AND MAGNETIC PROPERTIES	7722070L
OPTICAL PROPERTIES AND SPECTROSCOPY	7722111L
RHEOLOGICAL PROPERTIES	7722157C
MORPHOLOGICAL PROPERTIES	7722167L
OTHER PROPERTIES, INCLUDING ADHESION	7722174C
NON-DESTRUCTIVE TESTING	–

OL.
O
983

VOL.
20
1983

RAPRA Abstracts

Vol. 20, No. 4 (1983)
Technical and Commercial Literature Abstracts

Contents

GENERALIA	7722180L
COMMERCIAL AND ECONOMIC	7722190L
COMPANY ACTIVITIES	7722194L
PRODUCTION ORGANISATION AND PLANNING	7722271L
PURCHASING AND COSTING	7722281L
INDUSTRIAL RELATIONS AND PERSONNEL	–
MARKETING	7722282L
STATISTICS	7722296L
General	7722299L
Machinery	7722304L
Raw materials and monomers	–
Polymers	7722313L
Compounding ingredients	7722333L
Polymeric forms; powders, latices, etc.	7722334L
Semi-finished products; fibres, laminates, etc.	7722336L
Finished products and applications	7722338L
LEGISLATION	7722348L
INDUSTRIAL HEALTH AND SAFETY	7722354L
RAW MATERIALS AND MONOMERS	7722357L
POLYMERS AND POLYMERISATION	7722359L
POLYMERISATION PROCESSES AND CATALYSTS	7722360L
NATURAL POLYMERS	7722410L
ADDITION POLYMERS	7722420L
Aliphatic Olefin Polymers including polyethylene and polypropylene	7722423L
Aromatic Olefin Polymers including polystyrene	7722435L
Aliphatic–substituted Olefin Polymers	–
Alcohol Polymers	–
Acetal Polymers	–
Vinyl Ester and Allyl Ester Polymers	–
Acrylic Polymers	7722447L
Vinyl Ether, Aldehyde and Ketone Polymers	7722452L
Halo–olefin Polymers including PVC and PTFE	–
Nitrogen–containing Polymers	7722454L
Diolefin Polymers including polybutadiene and polyisoprene	7722460L
CONDENSATION POLYMERS	7722468L
Polyesters (saturated), Polycarbonates	7722473L
Polyamides, Polyimides	7722477L
Polyethers	7722488L
Polyurethanes, Polyureas	7722493L
Polyanhydrides	–
Polyesters (unsaturated), Epoxy Resins, Alkyd Resins	7722500L
CONDENSATION RESINS	7722503L
INORGANIC POLYMERS	7722504L
DIAZO DECOMPOSITION POLYMERS	–

ISSN 0033-6750

COMPOUNDING INGREDIENTS 7722509L
- FILLERS AND REINFORCING AGENTS 7722511L
- PIGMENTS AND DYES 7722532L
- PLASTICISERS AND EXTENDERS 7722538L
- PROTECTIVE AGENTS 7722548L
- CROSSLINKING SYSTEMS 7722561L
- ODORANTS ..... –
- BLOWING AGENTS ..... –
- SOLVENTS 7722568L
- SURFACTANTS AND OTHER PROCESSING AGENTS 7722571L
- TEXTILES: FIBRES AND FABRICS 7722575L

INTERMEDIATE AND SEMI-FINISHED PRODUCTS ..... –
- LATICES, SOLUTIONS AND PLASTISOLS 7722576L
- FOAMS 7722595L
- BLENDS 7722604L
- LIQUID POLYMERS 7722625L
- THERMOPLASTIC RUBBERS 7722628L
- MIXES AND COMPOUNDS 7722634L
- POWDERS 7722635L
- EXTRUDATES 7722638L
- SHEETING AND FILM 7722640L
- LAMINATES AND REINFORCED PLASTICS ..... –
- COATED MATERIALS 7722689L
- POLYMER BOUND FIBROUS MATERIALS 7722690L
- POLYMER BOUND NON-FIBROUS MATERIALS 7722691L
- SYNTHETIC LEATHER ..... –
- FIBRES 7722695L
- SCRAP POLYMERS 7722705L

APPLICATIONS 7722707L
- ADHESIVES, SEALANTS AND COATINGS 7722718L
- BELTING 7722766L
- CLOTHING AND FOOTWEAR 7722772L
- DOMESTIC FURNISHINGS AND FITTINGS 7722777L
- ELECTRICAL APPLICATIONS 7722782L
- FANCY GOODS 7722793L
- GAMES AND SPORTS GOODS 7722794L
- HOSE, TUBING AND PIPING 7722797L
- MECHANICAL APPLICATIONS 7722806L
- OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7722821L
- INSULATION (NON-ELECTRICAL) 7722822L
- POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, ION-EXCHANGE RESINS 7722830L
- VEHICLE SHELLS AND ACCESSORIES 7722868L
- PACKAGING AND CONTAINERS 7722878L
- ROADS, FLOORING AND BUILDING PARTS 7722896L
- SURGICAL AND VETERINARY APPLICATIONS 7722910L
- TYRES AND TRACKS 7722944L
- VIBRATION DAMPERS AND SPRINGS 7722979L
- ROLLERS ..... –
- STATIONERS' GOODS ..... –
- MISCELLANEOUS GOODS 7722985L

PROCESSING AND TREATMENT 7722988L
- PRELIMINARY PROCESSES 7722991L
- EXTRUSION 7723008L
- MOULDING 7723019L
- CALENDERING 7723043L
- SHEET FORMING 7723044L
- OTHER SHAPING PROCESSES 7723046L
- COATING AND IMPREGNATING 7723047L

LAMINATING	7723052L
VULCANISATION	7723053L
BONDING	7723058L
MACHINING FINISHING AND SURFACE TREATMENT	7723060L
REPAIRING AND RETREADING	–
RECLAIMING	7723070L
CONTROL EQUIPMENT	7723074L
PROPERTIES AND TESTING	7723081L
ANALYSIS AND TESTING	7723087L
STRUCTURE AND MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7723114L
ODOUR, TASTE, AND TOXICITY	7723181L
AGEING AND CHEMICAL ATTACK	7723205L
COLLOIDAL PROPERTIES	7723244C
MECHANICAL PROPERTIES	7723245L
THERMAL AND FLAMMABILITY PROPERTIES	7723288C
ELECTRICAL AND MAGNETIC PROPERTIES	7723329L
OPTICAL PROPERTIES AND SPECTROSCOPY	7723345C
RHEOLOGICAL PROPERTIES	7723382L
MORPHOLOGICAL PROPERTIES	7723405L
OTHER PROPERTIES, INCLUDING ADHESION	7723422L
NON-DESTRUCTIVE TESTING	7723428L

OL.
O
983

VOL.
20
1983

Rapra Abstracts Vol. 20, No. 5 (1983)

Contents

GENERALIA	7723442L
COMMERCIAL AND ECONOMIC	7723447L
COMPANY ACTIVITIES	7723450L
PRODUCTION ORGANISATION AND PLANNING	7723543L
PURCHASING AND COSTING	7723552L
INDUSTRIAL RELATIONS AND PERSONNEL	7723553L
MARKETING	7723556L
STATISTICS AND ECONOMIC INFORMATION	7723574L
General	7723575L
Machinery	7723578L
Raw materials and monomers	7723579L
Polymers	7723599L
Compounding ingredients	—
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7723624L
Finished products and applications	7723626L
LEGISLATION	7723634L
INDUSTRIAL HEALTH AND SAFETY	7723640L
RAW MATERIALS AND MONOMERS	7723648L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7723654L
NATURAL POLYMERS	7723657L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7723662L
Aromatic olefin polymers including polystyrene	7723668L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	7723671L
Acrylic polymers	7723672L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7723680L
Nitrogen-containing polymers	7723683L
Diolefin polymers including polybutadiene and polyisoprene	7723684L
CONDENSATION POLYMERS	7723690L
Polyesters (saturated), polycarbonates	7723691L
Polyamides, polyimides	7723699L
Polyethers	7723703L
Polyurethanes, polyureas	7723708L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7723709L
CONDENSATION RESINS	7723710L
INORGANIC POLYMERS	7723711L
DIAZO DECOMPOSITION POLYMERS	—

OL.
O
983

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7723714L
FILLERS AND REINFORCING AGENTS 7723715L
PIGMENTS AND DYES 7723730L
PLASTICISERS AND EXTENDERS 7723731L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7723736L
CROSSLINKING SYSTEMS 7723740L
ODORANTS 7723744L
BLOWING AGENTS 7723745L
SOLVENTS ..... —
SURFACTANTS AND OTHER PROCESSING AGENTS 7723747L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS ..... —
LATICES, SOLUTIONS AND PLASTISOLS 7723750L
FOAMS 7723756L
BLENDS 7723767L
LIQUID POLYMERS 7723772L
THERMOPLASTIC RUBBERS ..... —
MIXES AND COMPOUNDS 7723774L
POWDERS 7723775L
EXTRUDATES ..... —
SHEETING AND FILM 7723777L
LAMINATES AND REINFORCED PLASTICS 7723792L
COATED MATERIALS 7723803L
POLYMER BOUND FIBROUS MATERIALS 7723806L
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER 7723807L
FIBRES 7723808L
SCRAP POLYMERS 7724226L

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE ..... —
MILITARY ..... —
BREWING ..... —
ENGINEERING ..... —
ENERGY APPLICATIONS ..... —
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS 7723817L
ADHESIVES, SEALANTS AND COATINGS 7723821L
BELTING 7723859L
CLOTHING AND FOOTWEAR 7723860L
DOMESTIC FURNISHINGS AND FITTINGS 7723864L
ELECTRICAL APPLICATIONS 7723871L
FANCY GOODS 7723885L
GAMES AND SPORTS GOODS 7723886L
HOSE, TUBING AND PIPING 7723889L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7723898L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7723902L
INSULATION (NON-ELECTRICAL) 7723903L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7723912L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7723926L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7723940L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7723653L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7723981L
TYRES, TRACKS AND WHEELS 7723986L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7723990L
ROLLERS 7723997L
STATIONERS' GOODS 7723998L
MISCELLANEOUS GOODS 7723999L

VOL.
20
198

PROCESSING AND TREATMENT 7724001L
PRELIMINARY PROCESSES 7724002L
EXTRUSION 7724014L
MOULDING 7724025L
CALENDERING 7724063L
SHEET FORMING 7724064L
OTHER SHAPING PROCESSES 7724067L
COATING AND IMPREGNATING 7724068L
LAMINATING 7724072L
VULCANISATION 7724074L
BONDING 7724077L
MACHINING, FINISHING AND SURFACE TREATMENT 7724000L
REPAIRING AND RETREADING ..... —
RECLAIMING 7724097L
CONTROL EQUIPMENT 7724099L

PROPERTIES AND TESTING 7724114L
ANALYSIS AND TESTING 7724116L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7724125L
ODOUR, TASTE AND TOXICITY 7724140L
AGEING, WEATHERING AND CHEMICAL ATTACK 7724143L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7724162L
THERMAL AND FLAMMABILITY PROPERTIES 7724187L
ELECTRICAL AND MAGNETIC PROPERTIES 7724197L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7724204L
RHEOLOGICAL PROPERTIES 7724211L
MORPHOLOGICAL PROPERTIES 7724218L
OTHER PROPERTIES, INCLUDING ADHESION 7724223L
NON-DESTRUCTIVE TESTING ..... —

BOOK REVIEWS I

VOL.
0
983

VOL.
20
1983

Rapra Abstracts Vol. 20, No. 6 (1983)

Contents

GENERALIA	7724228L
COMMERCIAL AND ECONOMIC	7724239L
COMPANY ACTIVITIES	7724245L
PRODUCTION ORGANISATION AND PLANNING	7724355L
PURCHASING AND COSTING	7724360L
INDUSTRIAL RELATIONS AND PERSONNEL	7724361L
MARKETING	7724364L
STATISTICS AND ECONOMIC INFORMATION	7724377L
General	—
Machinery	7724379L
Raw materials and monomers	7724381L
Polymers	7724385L
Compounding ingredients	—
Polymeric forms; powders, latices, etc	7724412L
Semi-finished products; fibres; laminates, etc	7724413L
Finished products and applications	7724417L
LEGISLATION	7724426L
INDUSTRIAL HEALTH AND SAFETY	7724435L
RAW MATERIALS AND MONOMERS	7724439L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7724442L
NATURAL POLYMERS	7724453L
ADDITION POLYMERS	7724456L
Aliphatic olefin polymers including polyethylene and polypropylene	7724460L
Aromatic olefin polymers including polystyrene	7724476L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	7724489L
Acetal polymers	—
Vinyl ester and allyl ester polymers	7724490L
Acrylic polymers	7724491L
Vinyl ether, aldehyde and ketone polymers	7724501L
Halo-olefin polymers including PVC and PTFE	7724503L
Nitrogen-containing polymers	7724511L
Diolefin polymers including polybutadiene and polyisoprene	7724515L
CONDENSATION POLYMERS	7724518L
Polyesters (saturated), polycarbonates	7724520L
Polyamides, polyimides	7724527L
Polyethers	7724536L
Polyurethanes, polyureas	7724544L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7724547L
CONDENSATION RESINS	7724551L
INORGANIC POLYMERS	7724552L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
O
983

ISSN 0033—6750

COMPOUNDING INGREDIENTS	7724555L
FILLERS AND REINFORCING AGENTS	7724557L
PIGMENTS AND DYES	7724566L
PLASTICISERS AND EXTENDERS	7724574L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	7724579L
CROSSLINKING SYSTEMS	7724588L
ODORANTS	7724593L
BLOWING AGENTS	7724594L
SOLVENTS	7724595L
SURFACTANTS AND OTHER PROCESSING AGENTS	—
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	—
LATICES, SOLUTIONS AND PLASTISOLS	7724596L
FOAMS	7724607L
BLENDS	7724616L
LIQUID POLYMERS	7724625L
THERMOPLASTIC RUBBERS	7724626L
MIXES AND COMPOUNDS	7724629L
POWDERS	—
EXTRUDATES	—
SHEETING AND FILM	7724631L
LAMINATES AND REINFORCED PLASTICS	7724641L
COATED MATERIALS	—
POLYMER BOUND FIBROUS MATERIALS	7724661L
POLYMER BOUND NON-FIBROUS MATERIALS	—
SYNTHETIC LEATHER	—
FIBRES	7724662L
SCRAP POLYMERS	7724668L
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	—
AGRICULTURE AND HORTICULTURE	7724670L
MILITARY	—
BREWING	—
ENGINEERING	—
ENERGY APPLICATIONS	—
MARINE OTHER THAN TRANSPORT	—
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	—
APPLICATIONS	7724671L
ADHESIVES, SEALANTS AND COATINGS	7724677L
BELTING	—
CLOTHING AND FOOTWEAR	—
DOMESTIC FURNISHINGS AND FITTINGS	7724715L
ELECTRICAL APPLICATIONS	7724717L
FANCY GOODS	7724730L
GAMES AND SPORTS GOODS	7724731L
HOSE, TUBING AND PIPING	7724733L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7724740L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7724746L
INSULATION (NON-ELECTRICAL)	7724750L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7724752L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7724758L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7724227L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7724797L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7724806L
TYRES, TRACKS AND WHEELS	7724811L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7724819L
ROLLERS	7724823L
STATIONERS' GOODS	—
MISCELLANEOUS GOODS	—

VOL.
20
1983

PROCESSING AND TREATMENT	7724824L
PRELIMINARY PROCESSES	7724825L
EXTRUSION	7724830L
MOULDING	7724839L
CALENDERING	—
SHEET FORMING	7724864L
OTHER SHAPING PROCESSES	—
COATING AND IMPREGNATING	7724867L
LAMINATING	—
VULCANISATION	7724870L
BONDING	7724872L
MACHINING, FINISHING AND SURFACE TREATMENT	7724874L
REPAIRING AND RETREADING	7724889L
RECLAIMING	7724891L
CONTROL EQUIPMENT	7724893L
PROPERTIES AND TESTING	—
ANALYSIS AND TESTING	7724899L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7724921L
ODOUR, TASTE AND TOXICITY	7724944L
AGEING, WEATHERING AND CHEMICAL ATTACK	7724946L
COLLOIDAL PROPERTIES	7724969L
MECHANICAL PROPERTIES	7724970L
THERMAL AND FLAMMABILITY PROPERTIES	7724985L
ELECTRICAL AND MAGNETIC PROPERTIES	7724995L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY	7725006L
RHEOLOGICAL PROPERTIES	7725021L
MORPHOLOGICAL PROPERTIES	7725026L
OTHER PROPERTIES, INCLUDING ADHESION	7725028L
NON-DESTRUCTIVE TESTING	7725029L

OL.
O
983

VOL
20
198

Rapra Abstracts Vol. 20, No. 7 (1983)

Contents

GENERALIA	7725031L
COMMERCIAL AND ECONOMIC	7725038L
COMPANY ACTIVITIES	7725042L
PRODUCTION ORGANISATION AND PLANNING	7725178L
PURCHASING AND COSTING	7725190L
INDUSTRIAL RELATIONS AND PERSONNEL	7725195L
MARKETING	7725203L
STATISTICS AND ECONOMIC INFORMATION	7725214L
General	7725217L
Machinery	—
Raw materials and monomers	7725228L
Polymers	7725241L
Compounding ingredients	7725271L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7725279L
Finished products and applications	7725281L
LEGISLATION	7725293L
INDUSTRIAL HEALTH AND SAFETY	7725303L
RAW MATERIALS AND MONOMERS	7725304L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7725307L
NATURAL POLYMERS	7725316L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7725320L
Aromatic olefin polymers including polystyrene	7725327L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	7725331L
Acrylic polymers	7725332L
Vinyl ether, aldehyde and ketone polymers	7725340L
Halo-olefin polymers including PVC and PTFE	7725341L
Nitrogen-containing polymers	7725343L
Diolefin polymers including polybutadiene and polyisoprene	7725346L
CONDENSATION POLYMERS	7725348L
Polyesters (saturated), polycarbonates	7725349L
Polyamides, polyimides	7725352L
Polyethers	7725358L
Polyurethanes, polyureas	—
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7725361L
CONDENSATION RESINS	7725363L
INORGANIC POLYMERS	7725364L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
0
983

ISSN 0033—6750

COMPOUNDING INGREDIENTS ..... —
FILLERS AND REINFORCING AGENTS 7725366L
PIGMENTS AND DYES 7725376L
PLASTICISERS AND EXTENDERS 7725378L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7725384L
CROSSLINKING SYSTEMS 7725388L
ODORANTS ..... —
BLOWING AGENTS ..... —
SOLVENTS 7725392L
SURFACTANTS AND OTHER PROCESSING AGENTS 7725393L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7725397L
LATICES, SOLUTIONS AND PLASTISOLS 7725399L
FOAMS 7725405L
BLENDS 7725420L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS 7725429L
MIXES AND COMPOUNDS 7725430L
POWDERS ..... —
EXTRUDATES ..... —
SHEETING AND FILM 7725433L
LAMINATES AND REINFORCED PLASTICS 7725441L
COATED MATERIALS ..... —
POLYMER BOUND FIBROUS MATERIALS 7725464L
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER ..... —
FIBRES 7725466L
SCRAP POLYMERS ..... —

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE 7725469L
AGRICULTURE AND HORTICULTURE ..... —
MILITARY ..... —
BREWING ..... —
ENGINEERING 7725471L
ENERGY APPLICATIONS ..... —
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS 7725472L
ADHESIVES, SEALANTS AND COATINGS 7725479L
BELTING 7725499A
CLOTHING AND FOOTWEAR 7725501L
DOMESTIC FURNISHINGS AND FITTINGS 7725503L
ELECTRICAL APPLICATIONS 7725510L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7725521L
HOSE, TUBING AND PIPING 7725526L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7725534L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT ..... —
INSULATION (NON-ELECTRICAL) 7725547L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7725551L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7725561L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7725572L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7725602L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7725609L
TYRES, TRACKS AND WHEELS 7725656L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7725673L
ROLLERS 7725675L
STATIONERS' GOODS 7725676L
MISCELLANEOUS GOODS 7725677L

VOL
20
198

PROCESSING AND TREATMENT 7725680L
PRELIMINARY PROCESSES 7725683L
EXTRUSION 7725699L
MOULDING 7725706L
CALENDERING ..... —
SHEET FORMING ..... —
OTHER SHAPING PROCESSES 7725730L
COATING AND IMPREGNATING 7725731L
LAMINATING 7725734L
VULCANISATION 7725736A
BONDING 7725737L
MACHINING, FINISHING AND SURFACE TREATMENT 7725744L
REPAIRING AND RETREADING ..... —
RECLAIMING 7725754A
CONTROL EQUIPMENT 7725756L

PROPERTIES AND TESTING 7725763L
ANALYSIS AND TESTING 7725764L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7725789L
ODOUR, TASTE AND TOXICITY 7725809L
AGEING, WEATHERING AND CHEMICAL ATTACK 7725813L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7725830L
THERMAL AND FLAMMABILITY PROPERTIES 7725844L
ELECTRICAL AND MAGNETIC PROPERTIES 7725851L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7725856L
RHEOLOGICAL PROPERTIES 7725863L
MORPHOLOGICAL PROPERTIES 7725876L
OTHER PROPERTIES, INCLUDING ADHESION 7725882L
NON-DESTRUCTIVE TESTING ..... —

VOL.
20
1983

VOL
20
1983

Rapra Abstracts Vol. 20, No. 8 (1983)

Contents

GENERALIA	7725888L
COMMERCIAL AND ECONOMIC	7725892L
COMPANY ACTIVITIES	7725895L
PRODUCTION ORGANISATION AND PLANNING	7726007L
PURCHASING AND COSTING	7726029L
INDUSTRIAL RELATIONS AND PERSONNEL	7726030L
MARKETING	7726033L
STATISTICS AND ECONOMIC INFORMATION	7726041L
General	7726042L
Machinery	—
Raw materials and monomers	7726058L
Polymers	7726068L
Compounding ingredients	7726088L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7726091L
Finished products and applications	7726095L
LEGISLATION	7726099L
INDUSTRIAL HEALTH AND SAFETY	7726104L
RAW MATERIALS AND MONOMERS	7726108L
POLYMERS AND POLYMERISATION	7726109L
POLYMERISATION PROCESSES AND CATALYSTS	7726111L
NATURAL POLYMERS	7726112L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7726113L
Aromatic olefin polymers including polystyrene	7726117L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7726119L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7726123L
Nitrogen-containing polymers	—
Diolefin polymers including polybutadiene and polyisoprene	7726125L
CONDENSATION POLYMERS	—
Polyesters (saturated), polycarbonates	7726127L
Polyamides, polyimides	7726129L
Polyethers	7726130L
Polyurethanes, polyureas	7726132L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	—
CONDENSATION RESINS	7726133L
INORGANIC POLYMERS	7726134L
DIAZO DECOMPOSITION POLYMERS	—

ISSN 0033—6750

COMPOUNDING INGREDIENTS	7726136L
FILLERS AND REINFORCING AGENTS	7726140L
PIGMENTS AND DYES	7726151L
PLASTICISERS AND EXTENDERS	7726158L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	7726161L
CROSSLINKING SYSTEMS	7726172L
ODORANTS	—
BLOWING AGENTS	—
SOLVENTS	—
SURFACTANTS AND OTHER PROCESSING AGENTS	7726174L
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	—
LATICES, SOLUTIONS AND PLASTISOLS	7726184L
FOAMS	7726188L
BLENDS	7726198L
LIQUID POLYMERS	—
THERMOPLASTIC RUBBERS	7726201L
MIXES AND COMPOUNDS	7726204L
POWDERS	—
EXTRUDATES	—
SHEETING AND FILM	7726205L
LAMINATES AND REINFORCED PLASTICS	7726219L
COATED MATERIALS	7726237L
POLYMER BOUND FIBROUS MATERIALS	—
POLYMER BOUND NON-FIBROUS MATERIALS	7726238L
SYNTHETIC LEATHER	—
FIBRES	7726239L
SCRAP POLYMERS	7726244L
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	7726245L
AGRICULTURE AND HORTICULTURE	7726246L
MILITARY	—
BREWING	—
ENGINEERING	7726248L
ENERGY APPLICATIONS	—
MARINE OTHER THAN TRANSPORT	7726249L
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	—
APPLICATIONS	7726250L
ADHESIVES, SEALANTS AND COATINGS	7726253L
BELTING	7726281L
CLOTHING AND FOOTWEAR	7726283L
DOMESTIC FURNISHINGS AND FITTINGS	7726285L
ELECTRICAL APPLICATIONS	7726293L
FANCY GOODS	—
GAMES AND SPORTS GOODS	7726303L
HOSE, TUBING AND PIPING	7726306L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7726310L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7726327L
INSULATION (NON-ELECTRICAL)	7726333L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7726337L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7726351L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7726369L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7726400L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7726413L
TYRES, TRACKS AND WHEELS	7726422L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7726426L
ROLLERS	—
STATIONERS' GOODS	—
MISCELLANEOUS GOODS	7726429L

VOL
20
198

PROCESSING AND TREATMENT 7726432L
PRELIMINARY PROCESSES 7726435L
EXTRUSION 7726467L
MOULDING 7726478L
CALENDERING ..... —
SHEET FORMING 7726514L
OTHER SHAPING PROCESSES ..... —
COATING AND IMPREGNATING 7726518L
LAMINATING 7726519L
VULCANISATION 7726520L
BONDING 7726524L
MACHINING, FINISHING AND SURFACE TREATMENT 7726527L
REPAIRING AND RETREADING 7726543L
RECLAIMING 7726544L
CONTROL EQUIPMENT 7726550L

PROPERTIES AND TESTING ..... —
ANALYSIS AND TESTING 7726569L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7726573L
ODOUR, TASTE AND TOXICITY 7726588L
AGEING, WEATHERING AND CHEMICAL ATTACK 7726589L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7726603L
THERMAL AND FLAMMABILITY PROPERTIES 7726611L
ELECTRICAL AND MAGNETIC PROPERTIES 7726620L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7726622L
RHEOLOGICAL PROPERTIES 7726628L
MORPHOLOGICAL PROPERTIES ..... —
OTHER PROPERTIES, INCLUDING ADHESION 7726636L
NON-DESTRUCTIVE TESTING ..... —

VOL.
O
983

VOL
20
198

Rapra Abstracts **Vol. 20, No. 9 (1983)**

Contents

GENERALIA	—
COMMERCIAL AND ECONOMIC	7726641L
COMPANY ACTIVITIES	7726645L
PRODUCTION ORGANISATION AND PLANNING	7726700L
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	—
MARKETING	7726706L
STATISTICS AND ECONOMIC INFORMATION	7726708L
General	7726710L
Machinery	—
Raw materials and monomers	7726713L
Polymers	7726726L
Compounding ingredients	—
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7726749L
Finished products and applications	7726751L
LEGISLATION	7726752L
INDUSTRIAL HEALTH AND SAFETY	—
RAW MATERIALS AND MONOMERS	7726754L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7726756L
NATURAL POLYMERS	7726773L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7726776L
Aromatic olefin polymers including polystyrene	7726790L
Aliphatic-substituted olefin polymers	7726803L
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	7726804L
Acrylic polymers	7726805L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7726816L
Nitrogen-containing polymers	7726819L
Diolefin polymers including polybutadiene and polyisoprene	7726824L
CONDENSATION POLYMERS	—
Polyesters (saturated), polycarbonates	7726832L
Polyamides, polyimides	7726840L
Polyethers	7726851L
Polyurethanes, polyureas	7726857L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7726860L
CONDENSATION RESINS	7726861L
INORGANIC POLYMERS	7726863L
DIAZO DECOMPOSITION POLYMERS	—

VOL. 20 1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS	7726866L
FILLERS AND REINFORCING AGENTS	7726869L
PIGMENTS AND DYES	7726878L
PLASTICISERS AND EXTENDERS	7726880L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	7726882L
CROSSLINKING SYSTEMS	—
ODORANTS	—
BLOWING AGENTS	7726904L
SOLVENTS	7726905L
SURFACTANTS AND OTHER PROCESSING AGENTS	7726906L
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	—
LATICES, SOLUTIONS AND PLASTISOLS	7726909L
FOAMS	7726924L
BLENDS	7726932L
LIQUID POLYMERS	—
THERMOPLASTIC RUBBERS	7726944L
MIXES AND COMPOUNDS	7726948L
POWDERS	7726949L
EXTRUDATES	—
SHEETING AND FILM	7726951L
LAMINATES AND REINFORCED PLASTICS	7726956L
COATED MATERIALS	—
POLYMER BOUND FIBROUS MATERIALS	—
POLYMER BOUND NON-FIBROUS MATERIALS	—
SYNTHETIC LEATHER	—
FIBRES	7726966L
SCRAP POLYMERS	—
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	—
AGRICULTURE AND HORTICULTURE	—
MILITARY	—
BREWING	—
ENGINEERING	—
ENERGY APPLICATIONS	—
MARINE OTHER THAN TRANSPORT	7726968L
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	—
APPLICATIONS	7726969L
ADHESIVES, SEALANTS AND COATINGS	7726971L
BELTING	7726993L
CLOTHING AND FOOTWEAR	7726995L
DOMESTIC FURNISHINGS AND FITTINGS	7726996L
ELECTRICAL APPLICATIONS	7726999L
FANCY GOODS	—
GAMES AND SPORTS GOODS	7727011L
HOSE, TUBING AND PIPING	7727015L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7727028L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7727042L
INSULATION (NON-ELECTRICAL)	7727043L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7727048L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7727067L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7727070L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7727078L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7727084L
TYRES, TRACKS AND WHEELS	7727088L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7727091L
ROLLERS	—
STATIONERS' GOODS	7727093L
MISCELLANEOUS GOODS	—

VOL
20
198

PROCESSING AND TREATMENT 7727095L
PRELIMINARY PROCESSES 7727097L
EXTRUSION 7727106L
MOULDING 7727110L
CALENDERING ..... —
SHEET FORMING 7727135L
OTHER SHAPING PROCESSES ..... —
COATING AND IMPREGNATING 7727136L
LAMINATING ..... —
VULCANISATION 7727138L
BONDING 7727139L
MACHINING, FINISHING AND SURFACE TREATMENT 7727149L
REPAIRING AND RETREADING 7727160L
RECLAIMING 7727161L
CONTROL EQUIPMENT 7727163L

PROPERTIES AND TESTING 7727180L
ANALYSIS AND TESTING 7727181L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7727184L
ODOUR, TASTE AND TOXICITY ..... —
AGEING, WEATHERING AND CHEMICAL ATTACK 7727219L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7727236L
THERMAL AND FLAMMABILITY PROPERTIES 7727251L
ELECTRICAL AND MAGNETIC PROPERTIES 7727281L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7727291L
RHEOLOGICAL PROPERTIES 7727301L
MORPHOLOGICAL PROPERTIES 7727308L
OTHER PROPERTIES, INCLUDING ADHESION ..... —
NON-DESTRUCTIVE TESTING ..... —

BOOK REVIEWS I

OL.
0
983

VOL.
20
1983

Rapra Abstracts Vol. 20, No. 10 (1983)

Contents

GENERALIA	7727322L
COMMERCIAL AND ECONOMIC	7727332L
COMPANY ACTIVITIES	7727333L
PRODUCTION ORGANISATION AND PLANNING	7727407L
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	7727416L
MARKETING	7727419L
STATISTICS AND ECONOMIC INFORMATION	—
General	7727426L
Machinery	7727427L
Raw materials and monomers	7727431L
Polymers	7727435L
Compounding ingredients	—
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7727454L
Finished products and applications	7727455L
LEGISLATION	—
INDUSTRIAL HEALTH AND SAFETY	7727463L
RAW MATERIALS AND MONOMERS	7727468L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7727471L
NATURAL POLYMERS	7727481L
ADDITION POLYMERS	7727487L
Aliphatic olefin polymers including polyethylene and polypropylene	7727488L
Aromatic olefin polymers including polystyrene	7727501L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	7727508L
Acetal polymers	—
Vinyl ester and allyl ester polymers	7727509L
Acrylic polymers	7727510L
Vinyl ether, aldehyde and ketone polymers	7727514L
Halo-olefin polymers including PVC and PTFE	7727517L
Nitrogen-containing polymers	7727525L
Diolefin polymers including polybutadiene and polyisoprene	7727530L
CONDENSATION POLYMERS	7727534L
Polyesters (saturated), polycarbonates	7727536L
Polyamides, polyimides	7727542L
Polyethers	7727555L
Polyurethanes, polyureas	7727558L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7727560L
CONDENSATION RESINS	—
INORGANIC POLYMERS	7727563L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
O
983

ISSN 0033—6750

COMPOUNDING INGREDIENTS	—
FILLERS AND REINFORCING AGENTS	7727569L
PIGMENTS AND DYES	7727573L
PLASTICISERS AND EXTENDERS	7727574L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	7727577L
CROSSLINKING SYSTEMS	7727590L
ODORANTS	—
BLOWING AGENTS	—
SOLVENTS	—
SURFACTANTS AND OTHER PROCESSING AGENTS	7727593L
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	—
LATICES, SOLUTIONS AND PLASTISOLS	7727596L
FOAMS	7727612L
BLENDS	7727618L
LIQUID POLYMERS	7727631L
THERMOPLASTIC RUBBERS	7727634L
MIXES AND COMPOUNDS	—
POWDERS	7727635L
EXTRUDATES	7727636L
SHEETING AND FILM	7727638L
LAMINATES AND REINFORCED PLASTICS	7727656L
COATED MATERIALS	7727684L
POLYMER BOUND FIBROUS MATERIALS	—
POLYMER BOUND NON-FIBROUS MATERIALS	—
SYNTHETIC LEATHER	—
FIBRES	7727685A
SCRAP POLYMERS	—
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	7727693L
AGRICULTURE AND HORTICULTURE	7727694L
MILITARY	—
BREWING	—
ENGINEERING	—
ENERGY APPLICATIONS	—
MARINE OTHER THAN TRANSPORT	—
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	—
APPLICATIONS	7727696L
ADHESIVES, SEALANTS AND COATINGS	7727698L
BELTING	—
CLOTHING AND FOOTWEAR	7727735L
DOMESTIC FURNISHINGS AND FITTINGS	7727737L
ELECTRICAL APPLICATIONS	7727742L
FANCY GOODS	7727758L
GAMES AND SPORTS GOODS	7727759L
HOSE, TUBING AND PIPING	7727760C
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7727765L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7727770L
INSULATION (NON-ELECTRICAL)	7727775L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7727784L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7727795L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7727804L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7727831L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7727846L
TYRES, TRACKS AND WHEELS	7727870L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7727877L
ROLLERS	—
STATIONERS' GOODS	7727878L
MISCELLANEOUS GOODS	7727879L

VOL
20
198

PROCESSING AND TREATMENT ..... —
PRELIMINARY PROCESSES 7727881L
EXTRUSION 7727896L
MOULDING 7727910L
CALENDERING ..... —
SHEET FORMING 7727950L
OTHER SHAPING PROCESSES 7727952L
COATING AND IMPREGNATING 7727954L
LAMINATING ..... —
VULCANISATION 7727957L
BONDING 7727963L
MACHINING, FINISHING AND SURFACE TREATMENT 7727967L
REPAIRING AND RETREADING ..... —
RECLAIMING 7727974L
CONTROL EQUIPMENT 7727978L

PROPERTIES AND TESTING ..... —
ANALYSIS AND TESTING 7727988L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7728001L
ODOUR, TASTE AND TOXICITY ..... —
AGEING, WEATHERING AND CHEMICAL ATTACK 7728012L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7728038L
THERMAL AND FLAMMABILITY PROPERTIES 7728048L
ELECTRICAL AND MAGNETIC PROPERTIES 7728059L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7728071L
RHEOLOGICAL PROPERTIES 7728086L
MORPHOLOGICAL PROPERTIES 7728093L
OTHER PROPERTIES, INCLUDING ADHESION 7728095L
NON-DESTRUCTIVE TESTING ..... —

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 11 (1983)

Contents

GENERALIA	7728100L
COMMERCIAL AND ECONOMIC	7728101L
COMPANY ACTIVITIES	7728108L
PRODUCTION ORGANISATION AND PLANNING	7728219L
PURCHASING AND COSTING	7728238L
INDUSTRIAL RELATIONS AND PERSONNEL	7728239L
MARKETING	7728242L
STATISTICS AND ECONOMIC INFORMATION	7728249L
General	7728252L
Machinery	7728260L
Raw materials and monomers	—
Polymers	7728261L
Compounding ingredients	7728281L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7728284L
Finished products and applications	7728286L
LEGISLATION	7728299L
INDUSTRIAL HEALTH AND SAFETY	7728312L
RAW MATERIALS AND MONOMERS	7728330L
POLYMERS AND POLYMERISATION	7728334L
POLYMERISATION PROCESSES AND CATALYSTS	7728335L
NATURAL POLYMERS	7728339L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7728346L
Aromatic olefin polymers including polystyrene	7728349L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7728356L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7728359L
Nitrogen-containing polymers	7728362L
Diolefin polymers including polybutadiene and polyisoprene	7728364L
CONDENSATION POLYMERS	7728367L
Polyesters (saturated), polycarbonates	7728369L
Polyamides, polyimides	7728370L
Polyethers	7728373L
Polyurethanes, polyureas	7728374L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7728376L
CONDENSATION RESINS	7728377L
INORGANIC POLYMERS	7728380L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
20
1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7728383L
FILLERS AND REINFORCING AGENTS 7728384L
PIGMENTS AND DYES 7728394L
PLASTICISERS AND EXTENDERS 7728397L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7728400L
CROSSLINKING SYSTEMS 7728408L
ODORANTS ..... —
BLOWING AGENTS ..... —
SOLVENTS ..... —
SURFACTANTS AND OTHER PROCESSING AGENTS 7728413L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7728416L
LATICES, SOLUTIONS AND PLASTISOLS 7728417L
FOAMS 7728422L
BLENDS 7728429L
LIQUID POLYMERS 7728435L
THERMOPLASTIC RUBBERS 7728437L
MIXES AND COMPOUNDS ..... —
POWDERS ..... —
EXTRUDATES ..... —
SHEETING AND FILM 7728439L
LAMINATES AND REINFORCED PLASTICS 7728456L
COATED MATERIALS ..... —
POLYMER BOUND FIBROUS MATERIALS ..... —
POLYMER BOUND NON-FIBROUS MATERIALS 7728477L
SYNTHETIC LEATHER ..... —
FIBRES 7728478L
SCRAP POLYMERS 7728486L

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE 7728487L
MILITARY ..... —
BREWING ..... —
ENGINEERING ..... —
ENERGY APPLICATIONS 7728488L
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS ..... —
ADHESIVES, SEALANTS AND COATINGS 7728489L
BELTING 7728523L
CLOTHING AND FOOTWEAR 7728524L
DOMESTIC FURNISHINGS AND FITTINGS 7728527L
ELECTRICAL APPLICATIONS 7728536L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7728546L
HOSE, TUBING AND PIPING 7728547L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7728555L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7728576L
INSULATION (NON-ELECTRICAL) 7728578L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7728582L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7728596L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7728602L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7728631L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7728640L
TYRES, TRACKS AND WHEELS 7728644L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7728660L
ROLLERS ..... —
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7728667L

VOL.
20
198

PROCESSING AND TREATMENT ..... —
PRELIMINARY PROCESSES 7728672L
EXTRUSION 7728692L
MOULDING 7728703L
CALENDERING 7728742L
SHEET FORMING 7728743L
OTHER SHAPING PROCESSES 7728745L
COATING AND IMPREGNATING 7728746L
LAMINATING ..... —
VULCANISATION 7728748L
BONDING 7728755L
MACHINING, FINISHING AND SURFACE TREATMENT 7728760L
REPAIRING AND RETREADING ..... —
RECLAIMING 7728766L
CONTROL EQUIPMENT 7728768L

PROPERTIES AND TESTING 7728782L
ANALYSIS AND TESTING 7728784L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7728805L
ODOUR, TASTE AND TOXICITY 7728821L
AGEING, WEATHERING AND CHEMICAL ATTACK 7728829L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7728841L
THERMAL AND FLAMMABILITY PROPERTIES 7728868L
ELECTRICAL AND MAGNETIC PROPERTIES 7728878L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7728882L
RHEOLOGICAL PROPERTIES 7728903L
MORPHOLOGICAL PROPERTIES 7728910C
OTHER PROPERTIES, INCLUDING ADHESION 7728913L
NON-DESTRUCTIVE TESTING ..... —

OL.
0
983

VOL
20
198

Rapra Abstracts Vol. 20, No. 12 (1983)

Contents

GENERALIA	7728914L
COMMERCIAL AND ECONOMIC	7728915L
COMPANY ACTIVITIES	7728919L
PRODUCTION ORGANISATION AND PLANNING	7729008L
PURCHASING AND COSTING	7729033L
INDUSTRIAL RELATIONS AND PERSONNEL	7729036L
MARKETING	7729040L
STATISTICS AND ECONOMIC INFORMATION	7729044L
General	7729045L
Machinery	7729049L
Raw materials and monomers	7729050L
Polymers	7729055L
Compounding ingredients	7729073L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7729075L
Finished products and applications	7729077L
LEGISLATION	7729081L
INDUSTRIAL HEALTH AND SAFETY	7729092C
RAW MATERIALS AND MONOMERS	7729095L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7729098C
NATURAL POLYMERS	7729107C
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7729108L
Aromatic olefin polymers including polystyrene	7729116L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7729121L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7729125L
Nitrogen-containing polymers	7729127L
Diolefin polymers including polybutadiene and polyisoprene	7729132L
CONDENSATION POLYMERS	7729133L
Polyesters (saturated), polycarbonates	7729134L
Polyamides, polyimides	7729135L
Polyethers	7729140L
Polyurethanes, polyureas	7729144L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	—
CONDENSATION RESINS	—
INORGANIC POLYMERS	7729147L
DIAZO DECOMPOSITION POLYMERS	—

VOL. 20 1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS ..... —
FILLERS AND REINFORCING AGENTS 7729150L
PIGMENTS AND DYES 7729169C
PLASTICISERS AND EXTENDERS 7729174L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7729181C
CROSSLINKING SYSTEMS 7729193L
ODORANTS ..... —
BLOWING AGENTS 7729196C
SOLVENTS 7729198L
SURFACTANTS AND OTHER PROCESSING AGENTS 7729199L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7729203L
LATICES, SOLUTIONS AND PLASTISOLS 7729204L
FOAMS 7729216C
BLENDS 7729232L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS 7729250C
MIXES AND COMPOUNDS ..... —
POWDERS 7729251L
EXTRUDATES ..... —
SHEETING AND FILM 7729254L
LAMINATES AND REINFORCED PLASTICS 7729269L
COATED MATERIALS 7729295C
POLYMER BOUND FIBROUS MATERIALS ..... —
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER 7729296C
FIBRES 7729297L
SCRAP POLYMERS 7729303C

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE 7729304C
AGRICULTURE AND HORTICULTURE 7729306L
MILITARY ..... —
BREWING ..... —
ENGINEERING ..... —
ENERGY APPLICATIONS ..... —
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS 7729312C
ADHESIVES, SEALANTS AND COATINGS 7729313L
BELTING 7729336L
CLOTHING AND FOOTWEAR ..... —
DOMESTIC FURNISHINGS AND FITTINGS 7729337L
ELECTRICAL APPLICATIONS 7729342L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7729363L
HOSE, TUBING AND PIPING 7729364L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7729371L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7729381C
INSULATION (NON-ELECTRICAL) ..... —
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7729382L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7729396L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7729399L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7729424L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7729433L
TYRES, TRACKS AND WHEELS 7729439L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7729443L
ROLLERS ..... —
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7729446L

VOL
20
198

PROCESSING AND TREATMENT 7729448C
PRELIMINARY PROCESSES 7729452L
EXTRUSION 7729456C
MOULDING 7729467L
CALENDERING ..... —
SHEET FORMING 7729492C
OTHER SHAPING PROCESSES ..... —
COATING AND IMPREGNATING 7729495L
LAMINATING ..... —
VULCANISATION 7729496C
BONDING 7729502L
MACHINING, FINISHING AND SURFACE TREATMENT 7729507L
REPAIRING AND RETREADING ..... —
RECLAIMING 7729521L
CONTROL EQUIPMENT 7729523L

PROPERTIES AND TESTING 7729526L
ANALYSIS AND TESTING 7729527L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7729536L
ODOUR, TASTE AND TOXICITY 7729554L
AGEING, WEATHERING AND CHEMICAL ATTACK 7729555L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7729581L
THERMAL AND FLAMMABILITY PROPERTIES 7729620C
ELECTRICAL AND MAGNETIC PROPERTIES 7729639C
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7729642L
RHEOLOGICAL PROPERTIES 7729667L
MORPHOLOGICAL PROPERTIES 7729687L
OTHER PROPERTIES, INCLUDING ADHESION 7729700C
NON-DESTRUCTIVE TESTING ..... —

VOL.
20
1983

VOL.
20
1983

Rapra Abstracts Vol. 20, No. 13 (1983)

Contents

GENERALIA	7729701A
COMMERCIAL AND ECONOMIC	7729709L
COMPANY ACTIVITIES	7729712L
PRODUCTION ORGANISATION AND PLANNING	7729765L
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	7729787L
MARKETING	7729789L
STATISTICS AND ECONOMIC INFORMATION	7729792A
General	7729795L
Machinery	—
Raw materials and monomers	7729797L
Polymers	7729804L
Compounding ingredients	7729826L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7729827L
Finished products and applications	7729832L
LEGISLATION	7729838L
INDUSTRIAL HEALTH AND SAFETY	7729840A
RAW MATERIALS AND MONOMERS	7729847L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7729848L
NATURAL POLYMERS	7729856L
ADDITION POLYMERS	7729860A
Aliphatic olefin polymers including polyethylene and polypropylene	7729861L
Aromatic olefin polymers including polystyrene	7729868L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	7729874L
Acrylic polymers	7729876L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7729878A
Nitrogen-containing polymers	7729880L
Diolefin polymers including polybutadiene and polyisoprene	7729882A
CONDENSATION POLYMERS	7729887L
Polyesters (saturated), polycarbonates	7729891L
Polyamides, polyimides	7729896L
Polyethers	7729900L
Polyurethanes, polyureas	7729905L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7729908A
CONDENSATION RESINS	—
INORGANIC POLYMERS	7729909L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
O
983

ISSN 0033—6750

COMPOUNDING INGREDIENTS	7729912L
FILLERS AND REINFORCING AGENTS	7729919L
PIGMENTS AND DYES	7729932L
PLASTICISERS AND EXTENDERS	7729937L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	7729945L
CROSSLINKING SYSTEMS	7729957A
ODORANTS	—
BLOWING AGENTS	7729960L
SOLVENTS	—
SURFACTANTS AND OTHER PROCESSING AGENTS	7729961L
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	7729967L
LATICES, SOLUTIONS AND PLASTISOLS	7729968L
FOAMS	7729983L
BLENDS	7729993L
LIQUID POLYMERS	7730009L
THERMOPLASTIC RUBBERS	7730010L
MIXES AND COMPOUNDS	7730012L
POWDERS	7730013L
EXTRUDATES	—
SHEETING AND FILM	7730014L
LAMINATES AND REINFORCED PLASTICS	7730027L
COATED MATERIALS	7730045L
POLYMER BOUND FIBROUS MATERIALS	—
POLYMER BOUND NON-FIBROUS MATERIALS	7730048L
SYNTHETIC LEATHER	—
FIBRES	7730049L
SCRAP POLYMERS	—
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	7730057L
AGRICULTURE AND HORTICULTURE	—
MILITARY	7730058A
BREWING	—
ENGINEERING	—
ENERGY APPLICATIONS	7730060L
MARINE OTHER THAN TRANSPORT	—
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	7730061L
APPLICATIONS	—
ADHESIVES, SEALANTS AND COATINGS	7730062L
BELTING	7730091L
CLOTHING AND FOOTWEAR	7730093L
DOMESTIC FURNISHINGS AND FITTINGS	7730096L
ELECTRICAL APPLICATIONS	7730100L
FANCY GOODS	7730115L
GAMES AND SPORTS GOODS	7730116L
HOSE, TUBING AND PIPING	7730120L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7730132L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7730151L
INSULATION (NON-ELECTRICAL)	7730155L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7730157L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7730169L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7730179L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7730199L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7730214L
TYRES, TRACKS AND WHEELS	7730223L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7730233L
ROLLERS	7730238L
STATIONERS' GOODS	7730239L
MISCELLANEOUS GOODS	7730242L

VOL
20
198

PROCESSING AND TREATMENT 7730248L
PRELIMINARY PROCESSES 7730249L
EXTRUSION 7730261L
MOULDING 7730274L
CALENDERING ..... —
SHEET FORMING 7730310L
OTHER SHAPING PROCESSES 7730311L
COATING AND IMPREGNATING 7730312L
LAMINATING ..... —
VULCANISATION 7730313A
BONDING 7730317L
MACHINING, FINISHING AND SURFACE TREATMENT 7730327L
REPAIRING AND RETREADING ..... —
RECLAIMING 7730337L
CONTROL EQUIPMENT 7730338L

PROPERTIES AND TESTING 7730346L
ANALYSIS AND TESTING 7730348L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7730365L
ODOUR, TASTE AND TOXICITY 7730381L
AGEING, WEATHERING AND CHEMICAL ATTACK 7730386L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7730400L
THERMAL AND FLAMMABILITY PROPERTIES 7730419L
ELECTRICAL AND MAGNETIC PROPERTIES 7730429L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7730437L
RHEOLOGICAL PROPERTIES 7730448L
MORPHOLOGICAL PROPERTIES 7730461L
OTHER PROPERTIES, INCLUDING ADHESION 7730472A
NON-DESTRUCTIVE TESTING 7730476C

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 14 (1983)

Contents

GENERALIA	7730501A
COMMERCIAL AND ECONOMIC	7730502L
COMPANY ACTIVITIES	7730505L
PRODUCTION ORGANISATION AND PLANNING	7730597L
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	7730606L
MARKETING	7730608L
STATISTICS AND ECONOMIC INFORMATION	7730609L
General	7730611A
Machinery	7730617L
Raw materials and monomers	7730619L
Polymers	7730624L
Compounding ingredients	7730651L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7730653L
Finished products and applications	7730655L
LEGISLATION	7730680L
INDUSTRIAL HEALTH AND SAFETY	7730687L
RAW MATERIALS AND MONOMERS	7730692L
POLYMERS AND POLYMERISATION	7730693L
POLYMERISATION PROCESSES AND CATALYSTS	7730694L
NATURAL POLYMERS	7730706L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7730710A
Aromatic olefin polymers including polystyrene	7730714L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	7730722C
Acrylic polymers	7730725L
Vinyl ether, aldehyde and ketone polymers	7730726L
Halo-olefin polymers including PVC and PTFE	7730727L
Nitrogen-containing polymers	7730731L
Diolefin polymers including polybutadiene and polyisoprene	7730732L
CONDENSATION POLYMERS	7730736L
Polyesters (saturated), polycarbonates	—
Polyamides, polyimides	7730737L
Polyethers	7730741L
Polyurethanes, polyureas	7730744L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7730745L
CONDENSATION RESINS	7730746L
INORGANIC POLYMERS	—
DIAZO DECOMPOSITION POLYMERS	—

VOL.
20
1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7730748L
FILLERS AND REINFORCING AGENTS 7730749L
PIGMENTS AND DYES 7730765L
PLASTICISERS AND EXTENDERS 7730771L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7730778L
CROSSLINKING SYSTEMS 7730785L
ODORANTS ..... —
BLOWING AGENTS ..... —
SOLVENTS ..... —
SURFACTANTS AND OTHER PROCESSING AGENTS 7730791L
TEXTILES: FIBRES AND FABRICS 7730793L

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7730794L
LATICES, SOLUTIONS AND PLASTISOLS 7730795L
FOAMS 7730819L
BLENDS 7730824L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS 7730836L
MIXES AND COMPOUNDS 7730838L
POWDERS 7730846L
EXTRUDATES ..... —
SHEETING AND FILM 7730848L
LAMINATES AND REINFORCED PLASTICS 7730859L
COATED MATERIALS 7730883L
POLYMER BOUND FIBROUS MATERIALS ..... —
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER 7730893L
FIBRES 7730894L
SCRAP POLYMERS 7730904L

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE 7730907L
MILITARY ..... —
BREWING ..... —
ENGINEERING 7730946L
ENERGY APPLICATIONS ..... —
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY 7730947L

APPLICATIONS ..... —
ADHESIVES, SEALANTS AND COATINGS 7730948L
BELTING 7730988L
CLOTHING AND FOOTWEAR 7730991L
DOMESTIC FURNISHINGS AND FITTINGS 7730998L
ELECTRICAL APPLICATIONS 7731005L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7731017L
HOSE, TUBING AND PIPING 7731018A
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7731024L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7731049A
INSULATION (NON-ELECTRICAL) 7731050L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7731059L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7731072L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7731079A
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7731095L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7731108L
TYRES, TRACKS AND WHEELS 7731132L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7731148L
ROLLERS ..... —
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7731150L

VOL.
20
198

PROCESSING AND TREATMENT 7731153L
PRELIMINARY PROCESSES 7731157L
EXTRUSION 7731163L
MOULDING 7731170L
CALENDERING ..... —
SHEET FORMING ..... —
OTHER SHAPING PROCESSES ..... —
COATING AND IMPREGNATING 7731195L
LAMINATING ..... —
VULCANISATION 7731196L
BONDING 7731199L
MACHINING, FINISHING AND SURFACE TREATMENT 7731209L
REPAIRING AND RETREADING ..... —
RECLAIMING 7731214L
CONTROL EQUIPMENT 7731217A

PROPERTIES AND TESTING 7731224L
ANALYSIS AND TESTING 7731225L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7731236L
ODOUR, TASTE AND TOXICITY 7731251A
AGEING, WEATHERING AND CHEMICAL ATTACK 7731253L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7731277L
THERMAL AND FLAMMABILITY PROPERTIES 7731289L
ELECTRICAL AND MAGNETIC PROPERTIES 7731312L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7731314L
RHEOLOGICAL PROPERTIES 7731321L
MORPHOLOGICAL PROPERTIES 7731327L
OTHER PROPERTIES, INCLUDING ADHESION 7731330L
NON-DESTRUCTIVE TESTING ..... —

OL.
O
983

VOL.
20
1983

Rapra Abstracts **Vol. 20, No. 15 (1983)**

Contents

GENERALIA	7731340L
COMMERCIAL AND ECONOMIC	7731347L
COMPANY ACTIVITIES	7731349L
PRODUCTION ORGANISATION AND PLANNING	7731410L
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	7731428L
MARKETING	7731429L
STATISTICS AND ECONOMIC INFORMATION	—
General	7731438L
Machinery	7731441L
Raw materials and monomers	7731443L
Polymers	7731448L
Compounding ingredients	7731466L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7731467L
Finished products and applications	7731468L
LEGISLATION	7731477L
INDUSTRIAL HEALTH AND SAFETY	7731483A
RAW MATERIALS AND MONOMERS	7731494L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7731499L
NATURAL POLYMERS	7731508L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7731512L
Aromatic olefin polymers including polystyrene	7731523L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	7731539L
Acetal polymers	—
Vinyl ester and allyl ester polymers	7731540L
Acrylic polymers	7731543L
Vinyl ether, aldehyde and ketone polymers	7731556L
Halo-olefin polymers including PVC and PTFE	7731557L
Nitrogen-containing polymers	7731563L
Diolefin polymers including polybutadiene and polyisoprene	7731573L
CONDENSATION POLYMERS	7731581L
Polyesters (saturated), polycarbonates	7731584L
Polyamides, polyimides	7731593L
Polyethers	7731601L
Polyurethanes, polyureas	7731604L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	—
CONDENSATION RESINS	7731607L
INORGANIC POLYMERS	7731608L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
O
983

ISSN 0033—6750

COMPOUNDING INGREDIENTS ..... —
FILLERS AND REINFORCING AGENTS 7731610L
PIGMENTS AND DYES 7731627L
PLASTICISERS AND EXTENDERS 7731634L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7731640L
CROSSLINKING SYSTEMS 7731650L
ODORANTS ..... —
BLOWING AGENTS 7731659L
SOLVENTS ..... —
SURFACTANTS AND OTHER PROCESSING AGENTS 7731660L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7731665L
LATICES, SOLUTIONS AND PLASTISOLS 7731667L
FOAMS 7731687L
BLENDS 7731693L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS 7731706L
MIXES AND COMPOUNDS ..... —
POWDERS 7731711L
EXTRUDATES ..... —
SHEETING AND FILM 7731714L
LAMINATES AND REINFORCED PLASTICS 7731725L
COATED MATERIALS 7731740L
POLYMER BOUND FIBROUS MATERIALS 7731741L
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER ..... —
FIBRES 7731742L
SCRAP POLYMERS ..... —

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE 7731748L
MILITARY ..... —
BREWING ..... —
ENGINEERING ..... —
ENERGY APPLICATIONS 7731751L
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS 7731753L
ADHESIVES, SEALANTS AND COATINGS 7731754L
BELTING 7731781L
CLOTHING AND FOOTWEAR 7731784L
DOMESTIC FURNISHINGS AND FITTINGS 7731787L
ELECTRICAL APPLICATIONS 7731792L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7731826L
HOSE, TUBING AND PIPING 7731828L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7731835L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7731838C
INSULATION (NON-ELECTRICAL) 7731840L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7731841L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7731861L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7731877L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7731890L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7731897L
TYRES, TRACKS AND WHEELS 7731933L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7731937C
ROLLERS ..... —
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7731939L

VOL
20
198

PROCESSING AND TREATMENT 7731940C
PRELIMINARY PROCESSES 7731944L
EXTRUSION 7731953L
MOULDING 7731960L
CALENDERING ..... —
SHEET FORMING 7731984L
OTHER SHAPING PROCESSES ..... —
COATING AND IMPREGNATING ..... —
LAMINATING ..... —
VULCANISATION 7731985L
BONDING 7731993L
MACHINING, FINISHING AND SURFACE TREATMENT 7731998L
REPAIRING AND RETREADING 7732004L
RECLAIMING 7732005A
CONTROL EQUIPMENT 7732006L

PROPERTIES AND TESTING 7732012L
ANALYSIS AND TESTING 7732014L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7732020L
ODOUR, TASTE AND TOXICITY 7732053L
AGEING, WEATHERING AND CHEMICAL ATTACK 7732054L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7732068L
THERMAL AND FLAMMABILITY PROPERTIES 7732086L
ELECTRICAL AND MAGNETIC PROPERTIES 7732099L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7732104L
RHEOLOGICAL PROPERTIES 7732128L
MORPHOLOGICAL PROPERTIES 7732135L
OTHER PROPERTIES, INCLUDING ADHESION 7732141L
NON-DESTRUCTIVE TESTING 7732147L

BOOK REVIEWS I

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 16 (1983)

Contents

GENERALIA	7732159L
COMMERCIAL AND ECONOMIC	7732163L
COMPANY ACTIVITIES	7732164L
PRODUCTION ORGANISATION AND PLANNING	7732245L
PURCHASING AND COSTING	7732250L
INDUSTRIAL RELATIONS AND PERSONNEL	7732252L
MARKETING	7732255L
STATISTICS AND ECONOMIC INFORMATION	7732266L
General	7732270L
Machinery	7732274L
Raw materials and monomers	7732277L
Polymers	7732280L
Compounding ingredients	7732309L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7732310L
Finished products and applications	7732311L
LEGISLATION	7732313L
INDUSTRIAL HEALTH AND SAFETY	7732317L
RAW MATERIALS AND MONOMERS	7732319L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7732320L
NATURAL POLYMERS	7732327L
ADDITION POLYMERS	7732332L
Aliphatic olefin polymers including polyethylene and polypropylene	7732333L
Aromatic olefin polymers including polystyrene	7732342L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7732349L
Vinyl ether, aldehyde and ketone polymers	7732355L
Halo-olefin polymers including PVC and PTFE	7732356L
Nitrogen-containing polymers	7732363L
Diolefin polymers including polybutadiene and polyisoprene	7732364L
CONDENSATION POLYMERS	7732365L
Polyesters (saturated), polycarbonates	7732366L
Polyamides, polyimides	7732367L
Polyethers	7732372L
Polyurethanes, polyureas	7732378L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7732381L
CONDENSATION RESINS	—
INORGANIC POLYMERS	7732382L
DIAZO DECOMPOSITION POLYMERS	—

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7732384L
FILLERS AND REINFORCING AGENTS 7732385L
PIGMENTS AND DYES 7732397L
PLASTICISERS AND EXTENDERS 7732403L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7732409L
CROSSLINKING SYSTEMS 7732431L
ODORANTS ..... —
BLOWING AGENTS ..... —
SOLVENTS 7732435L
SURFACTANTS AND OTHER PROCESSING AGENTS 7732436L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS ..... —
LATICES, SOLUTIONS AND PLASTISOLS 7732442L
FOAMS 7732451L
BLENDS 7732459L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS 7732469L
MIXES AND COMPOUNDS 7732473L
POWDERS 7732474L
EXTRUDATES ..... —
SHEETING AND FILM 7732475L
LAMINATES AND REINFORCED PLASTICS 7732490L
COATED MATERIALS ..... —
POLYMER BOUND FIBROUS MATERIALS 7732517L
POLYMER BOUND NON-FIBROUS MATERIALS 7732519L
SYNTHETIC LEATHER ..... —
FIBRES 7732522L
SCRAP POLYMERS 7732527L

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE 7732529L
MILITARY ..... —
BREWING ..... —
ENGINEERING ..... —
ENERGY APPLICATIONS ..... —
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS 7732530L
ADHESIVES, SEALANTS AND COATINGS 7732532L
BELTING ..... —
CLOTHING AND FOOTWEAR 7732567L
DOMESTIC FURNISHINGS AND FITTINGS 7732569L
ELECTRICAL APPLICATIONS 7732578L
FANCY GOODS 7732593L
GAMES AND SPORTS GOODS 7732594L
HOSE, TUBING AND PIPING 7732598L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7732600L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7732613L
INSULATION (NON-ELECTRICAL) 7732614L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7732619L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7732633L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7732644L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7732665L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7732682L
TYRES, TRACKS AND WHEELS 7732692L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7732697L
ROLLERS ..... —
STATIONERS' GOODS 7732700L
MISCELLANEOUS GOODS 7732702L

VOL
20
198

PROCESSING AND TREATMENT 7732705L
PRELIMINARY PROCESSES 7732708L
EXTRUSION 7732720L
MOULDING 7732731L
CALENDERING 7732770L
SHEET FORMING ..... —
OTHER SHAPING PROCESSES ..... —
COATING AND IMPREGNATING ..... —
LAMINATING ..... —
VULCANISATION 7732771L
BONDING 7732778L
MACHINING, FINISHING AND SURFACE TREATMENT 7732780L
REPAIRING AND RETREADING 7732791L
RECLAIMING 7732792L
CONTROL EQUIPMENT 7732795L

PROPERTIES AND TESTING 7732803L
ANALYSIS AND TESTING 7732804L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7732822L
ODOUR, TASTE AND TOXICITY 7732842L
AGEING, WEATHERING AND CHEMICAL ATTACK 7732843L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7732878L
THERMAL AND FLAMMABILITY PROPERTIES 7732901L
ELECTRICAL AND MAGNETIC PROPERTIES 7732914L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7732928L
RHEOLOGICAL PROPERTIES 7732946L
MORPHOLOGICAL PROPERTIES 7732954L
OTHER PROPERTIES, INCLUDING ADHESION 7732958L
NON-DESTRUCTIVE TESTING ..... —

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 17 (1983)

Contents

GENERALIA	7732962L
COMMERCIAL AND ECONOMIC	7732979L
COMPANY ACTIVITIES	7732981L
PRODUCTION ORGANISATION AND PLANNING	7733067L
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	7733077L
MARKETING	7733079L
STATISTICS AND ECONOMIC INFORMATION	7733098L
General	7733099L
Machinery	7733102L
Raw materials and monomers	7733106L
Polymers	7733111L
Compounding ingredients	—
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	—
Finished products and applications	7733131L
LEGISLATION	—
INDUSTRIAL HEALTH AND SAFETY	7733141A
RAW MATERIALS AND MONOMERS	7733142C
POLYMERS AND POLYMERISATION	7733145L
POLYMERISATION PROCESSES AND CATALYSTS	7733146L
NATURAL POLYMERS	7733149L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7733151L
Aromatic olefin polymers including polystyrene	7733158L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	7733161C
Acrylic polymers	7733162L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7733165L
Nitrogen-containing polymers	7733174L
Diolefin polymers including polybutadiene and polyisoprene	7733179C
CONDENSATION POLYMERS	—
Polyesters (saturated), polycarbonates	7733180L
Polyamides, polyimides	7733185A
Polyethers	7733187L
Polyurethanes, polyureas	7733190L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7733191L
CONDENSATION RESINS	7733196A
INORGANIC POLYMERS	7733197L
DIAZO DECOMPOSITION POLYMERS	—

VOL. 20 1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS	7733198L
FILLERS AND REINFORCING AGENTS	7733199L
PIGMENTS AND DYES	7733216L
PLASTICISERS AND EXTENDERS	7733221L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	7733229L
CROSSLINKING SYSTEMS	7733241L
ODORANTS	—
BLOWING AGENTS	7733250L
SOLVENTS	7733251L
SURFACTANTS AND OTHER PROCESSING AGENTS	7733255A
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	—
LATICES, SOLUTIONS AND PLASTISOLS	7733258L
FOAMS	7733262L
BLENDS	7733272L
LIQUID POLYMERS	7733276A
THERMOPLASTIC RUBBERS	7733278L
MIXES AND COMPOUNDS	7733286L
POWDERS	7733287A
EXTRUDATES	—
SHEETING AND FILM	7733289L
LAMINATES AND REINFORCED PLASTICS	7733303L
COATED MATERIALS	7733363L
POLYMER BOUND FIBROUS MATERIALS	7733367L
POLYMER BOUND NON-FIBROUS MATERIALS	—
SYNTHETIC LEATHER	7733371L
FIBRES	7733372L
SCRAP POLYMERS	—
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	—
AGRICULTURE AND HORTICULTURE	7733378L
MILITARY	—
BREWING	—
ENGINEERING	—
ENERGY APPLICATIONS	—
MARINE OTHER THAN TRANSPORT	—
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	—
APPLICATIONS	7733386C
ADHESIVES, SEALANTS AND COATINGS	7733387L
BELTING	7733403L
CLOTHING AND FOOTWEAR	7733405L
DOMESTIC FURNISHINGS AND FITTINGS	7733409L
ELECTRICAL APPLICATIONS	7733415L
FANCY GOODS	7733432L
GAMES AND SPORTS GOODS	7733433L
HOSE, TUBING AND PIPING	7733436L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7733487L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7733498L
INSULATION (NON-ELECTRICAL)	7733500L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7733507C
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7733512L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7733527L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7733545L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7733574L
TYRES, TRACKS AND WHEELS	7733583L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7733591L
ROLLERS	—
STATIONERS' GOODS	7733594L
MISCELLANEOUS GOODS	7733595L

VOL
20
198

PROCESSING AND TREATMENT	7733598L
PRELIMINARY PROCESSES	7733600L
EXTRUSION	7733613L
MOULDING	7733623L
CALENDERING	7733649L
SHEET FORMING	7733650L
OTHER SHAPING PROCESSES	—
COATING AND IMPREGNATING	7733651L
LAMINATING	—
VULCANISATION	7733653L
BONDING	7733656L
MACHINING, FINISHING AND SURFACE TREATMENT	7733660L
REPAIRING AND RETREADING	7733668L
RECLAIMING	7733669L
CONTROL EQUIPMENT	7733672L
PROPERTIES AND TESTING	7733679L
ANALYSIS AND TESTING	7733680L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7733686L
ODOUR, TASTE AND TOXICITY	7733690L
AGEING, WEATHERING AND CHEMICAL ATTACK	7733694L
COLLOIDAL PROPERTIES	—
MECHANICAL PROPERTIES	7733711L
THERMAL AND FLAMMABILITY PROPERTIES	7733728L
ELECTRICAL AND MAGNETIC PROPERTIES	7733736L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY	7733740L
RHEOLOGICAL PROPERTIES	7733750L
MORPHOLOGICAL PROPERTIES	7733754C
OTHER PROPERTIES, INCLUDING ADHESION	7733759L
NON-DESTRUCTIVE TESTING	—

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 18 (1983)

Contents

GENERALIA	—
COMMERCIAL AND ECONOMIC	7733773L
COMPANY ACTIVITIES	7733780L
PRODUCTION ORGANISATION AND PLANNING	7733899L
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	7733909L
MARKETING	7733911L
STATISTICS AND ECONOMIC INFORMATION	7733928L
General	7733929L
Machinery	7733933L
Raw materials and monomers	7733934L
Polymers	7733943L
Compounding ingredients	7733968L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7733972L
Finished products and applications	7733973L
LEGISLATION	7733978L
INDUSTRIAL HEALTH AND SAFETY	7733981C
RAW MATERIALS AND MONOMERS	7733983L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7733986L
NATURAL POLYMERS	7733998L
ADDITION POLYMERS	7734001L
Aliphatic olefin polymers including polyethylene and polypropylene	7734002L
Aromatic olefin polymers including polystyrene	7734020L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7734026L
Vinyl ether, aldehyde and ketone polymers	7734031C
Halo-olefin polymers including PVC and PTFE	7734034L
Nitrogen-containing polymers	7734035L
Diolefin polymers including polybutadiene and polyisoprene	7734037L
CONDENSATION POLYMERS	7734040L
Polyesters (saturated), polycarbonates	—
Polyamides, polyimides	7734042L
Polyethers	7734049L
Polyurethanes, polyureas	—
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7734058L
CONDENSATION RESINS	—
INORGANIC POLYMERS	7734060L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
20
1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS	7734062L
FILLERS AND REINFORCING AGENTS	7734064L
PIGMENTS AND DYES	7734071L
PLASTICISERS AND EXTENDERS	7734077L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	7734079L
CROSSLINKING SYSTEMS	7734084L
ODORANTS	—
BLOWING AGENTS	7734087L
SOLVENTS	—
SURFACTANTS AND OTHER PROCESSING AGENTS	7734088L
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	—
LATICES, SOLUTIONS AND PLASTISOLS	7734089L
FOAMS	7734098L
BLENDS	7734105L
LIQUID POLYMERS	—
THERMOPLASTIC RUBBERS	7734116L
MIXES AND COMPOUNDS	7734118L
POWDERS	7734119L
EXTRUDATES	7734120L
SHEETING AND FILM	7734121L
LAMINATES AND REINFORCED PLASTICS	7734131L
COATED MATERIALS	7734146L
POLYMER BOUND FIBROUS MATERIALS	—
POLYMER BOUND NON-FIBROUS MATERIALS	7734147L
SYNTHETIC LEATHER	—
FIBRES	7734148L
SCRAP POLYMERS	—
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	—
AGRICULTURE AND HORTICULTURE	7734152L
MILITARY	—
BREWING	—
ENGINEERING	—
ENERGY APPLICATIONS	—
MARINE OTHER THAN TRANSPORT	—
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	—
APPLICATIONS	—
ADHESIVES, SEALANTS AND COATINGS	7734153C
BELTING	7734178L
CLOTHING AND FOOTWEAR	—
DOMESTIC FURNISHINGS AND FITTINGS	7734179L
ELECTRICAL APPLICATIONS	7734183L
FANCY GOODS	—
GAMES AND SPORTS GOODS	7734205L
HOSE, TUBING AND PIPING	7734208L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7734224L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7734239C
INSULATION (NON-ELECTRICAL)	7734244L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7734250L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7734259L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7734275L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7734294L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7734304C
TYRES, TRACKS AND WHEELS	7734332L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7734342L
ROLLERS	—
STATIONERS' GOODS	—
MISCELLANEOUS GOODS	7734344L

VOL
20
198

PROCESSING AND TREATMENT	7734346L
PRELIMINARY PROCESSES	7734347L
EXTRUSION	7734359L
MOULDING	7734368L
CALENDERING	7734405L
SHEET FORMING	7734406L
OTHER SHAPING PROCESSES	—
COATING AND IMPREGNATING	7734407L
LAMINATING	—
VULCANISATION	7734409L
BONDING	7734411L
MACHINING, FINISHING AND SURFACE TREATMENT	7734413L
REPAIRING AND RETREADING	—
RECLAIMING	7734432L
CONTROL EQUIPMENT	7734434L
PROPERTIES AND TESTING	7734441L
ANALYSIS AND TESTING	7734446L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7734467L
ODOUR, TASTE AND TOXICITY	7734484L
AGEING, WEATHERING AND CHEMICAL ATTACK	7734485L
COLLOIDAL PROPERTIES	—
MECHANICAL PROPERTIES	7734495L
THERMAL AND FLAMMABILITY PROPERTIES	7734506L
ELECTRICAL AND MAGNETIC PROPERTIES	7734517L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY	7734526C
RHEOLOGICAL PROPERTIES	7734564L
MORPHOLOGICAL PROPERTIES	7734569C
OTHER PROPERTIES, INCLUDING ADHESION	7734574L
NON-DESTRUCTIVE TESTING	7734577L

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 19 (1983)

Contents

GENERALIA	7734579L
COMMERCIAL AND ECONOMIC	—
COMPANY ACTIVITIES	7734588L
PRODUCTION ORGANISATION AND PLANNING	7734668L
PURCHASING AND COSTING	7734680C
INDUSTRIAL RELATIONS AND PERSONNEL	7734681L
MARKETING	7734682L
STATISTICS AND ECONOMIC INFORMATION	7734689L
General	7734691L
Machinery	7734693L
Raw materials and monomers	7734694L
Polymers	7734696L
Compounding ingredients	7734713L
Polymeric forms; powders, latices, etc	7734715C
Semi-finished products; fibres; laminates, etc	7734716L
Finished products and applications	7734718L
LEGISLATION	7734723A
INDUSTRIAL HEALTH AND SAFETY	7734728L
RAW MATERIALS AND MONOMERS	7734741L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7734745C
NATURAL POLYMERS	7734750L
ADDITION POLYMERS	7734754L
Aliphatic olefin polymers including polyethylene and polypropylene	7734755C
Aromatic olefin polymers including polystyrene	7734761L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7734767L
Vinyl ether, aldehyde and ketone polymers	7734775L
Halo-olefin polymers including PVC and PTFE	7734776A
Nitrogen-containing polymers	7734779L
Diolefin polymers including polybutadiene and polyisoprene	7734788L
CONDENSATION POLYMERS	7734792L
Polyesters (saturated), polycarbonates	7734796L
Polyamides, polyimides	7734800L
Polyethers	7734806L
Polyurethanes, polyureas	7734814L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	—
CONDENSATION RESINS	—
INORGANIC POLYMERS	7734821A
DIAZO DECOMPOSITION POLYMERS	—

VOL. 20 1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS	7734825L
FILLERS AND REINFORCING AGENTS	7734826L
PIGMENTS AND DYES	7734840C
PLASTICISERS AND EXTENDERS	7734843L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	7734846L
CROSSLINKING SYSTEMS	7734855L
ODORANTS	—
BLOWING AGENTS	7734866L
SOLVENTS	7734868L
SURFACTANTS AND OTHER PROCESSING AGENTS	7734869L
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	7734873L
LATICES, SOLUTIONS AND PLASTISOLS	7734874L
FOAMS	7734882L
BLENDS	7734894L
LIQUID POLYMERS	7734910L
THERMOPLASTIC RUBBERS	7734911L
MIXES AND COMPOUNDS	—
POWDERS	—
EXTRUDATES	—
SHEETING AND FILM	7734915L
LAMINATES AND REINFORCED PLASTICS	7734932L
COATED MATERIALS	7734961L
POLYMER BOUND FIBROUS MATERIALS	7734963L
POLYMER BOUND NON-FIBROUS MATERIALS	7734965L
SYNTHETIC LEATHER	7734966L
FIBRES	7734968L
SCRAP POLYMERS	7734974C
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	—
AGRICULTURE AND HORTICULTURE	7734975L
MILITARY	—
BREWING	—
ENGINEERING	7734976L
ENERGY APPLICATIONS	—
MARINE OTHER THAN TRANSPORT	—
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	7734977L
APPLICATIONS	7734979L
ADHESIVES, SEALANTS AND COATINGS	7734982L
BELTING	7735018L
CLOTHING AND FOOTWEAR	7735020L
DOMESTIC FURNISHINGS AND FITTINGS	7735024L
ELECTRICAL APPLICATIONS	7735030L
FANCY GOODS	—
GAMES AND SPORTS GOODS	—
HOSE, TUBING AND PIPING	7735045L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7735054L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	7735065L
INSULATION (NON-ELECTRICAL)	7735066L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7735074L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7735090L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7735110L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7735133L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7735148L
TYRES, TRACKS AND WHEELS	7735160L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7735176L
ROLLERS	—
STATIONERS' GOODS	7735178L
MISCELLANEOUS GOODS	7735179L

VOL
20
198

PROCESSING AND TREATMENT	—
PRELIMINARY PROCESSES	7735185L
EXTRUSION	7735194L
MOULDING	7735203L
CALENDERING	7735237L
SHEET FORMING	7735238L
OTHER SHAPING PROCESSES	7735242L
COATING AND IMPREGNATING	7735245C
LAMINATING	7735247L
VULCANISATION	7735248L
BONDING	7735249C
MACHINING, FINISHING AND SURFACE TREATMENT	7735250L
REPAIRING AND RETREADING	7735265L
RECLAIMING	7735266L
CONTROL EQUIPMENT	7735270L
PROPERTIES AND TESTING	7735275C
ANALYSIS AND TESTING	7735277L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7735290L
ODOUR, TASTE AND TOXICITY	7735310L
AGEING, WEATHERING AND CHEMICAL ATTACK	7735325L
COLLOIDAL PROPERTIES	—
MECHANICAL PROPERTIES	7735347L
THERMAL AND FLAMMABILITY PROPERTIES	7735366L
ELECTRICAL AND MAGNETIC PROPERTIES	7735381L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY	7735387L
RHEOLOGICAL PROPERTIES	7735405L
MORPHOLOGICAL PROPERTIES	7735413L
OTHER PROPERTIES, INCLUDING ADHESION	—
NON-DESTRUCTIVE TESTING	—

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 20 (1983)

Contents

GENERALIA	7735420L
COMMERCIAL AND ECONOMIC	7735422L
COMPANY ACTIVITIES	7735426L
PRODUCTION ORGANISATION AND PLANNING	7735557L
PURCHASING AND COSTING	7735581L
INDUSTRIAL RELATIONS AND PERSONNEL	7735584L
MARKETING	7735588L
STATISTICS AND ECONOMIC INFORMATION	7735599L
General	7735601L
Machinery	7735609L
Raw materials and monomers	7735612L
Polymers	7735620L
Compounding ingredients	7735642L
Polymeric forms; powders, latices, etc	7735644L
Semi-finished products; fibres; laminates, etc	7735645L
Finished products and applications	7735648L
LEGISLATION	7735665L
INDUSTRIAL HEALTH AND SAFETY	7735668L
RAW MATERIALS AND MONOMERS	—
POLYMERS AND POLYMERISATION	7735669L
POLYMERISATION PROCESSES AND CATALYSTS	7735670L
NATURAL POLYMERS	7735680L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7735686L
Aromatic olefin polymers including polystyrene	7735690L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7735694L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7735696L
Nitrogen-containing polymers	7735699L
Diolefin polymers including polybutadiene and polyisoprene	—
CONDENSATION POLYMERS	—
Polyesters (saturated), polycarbonates	—
Polyamides, polyimides	7735701L
Polyethers	7735708L
Polyurethanes, polyureas	7735711L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7735716L
CONDENSATION RESINS	—
INORGANIC POLYMERS	7735718L
DIAZO DECOMPOSITION POLYMERS	—

VOL. 20 1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS ..... —
FILLERS AND REINFORCING AGENTS 7735720L
PIGMENTS AND DYES 7735745L
PLASTICISERS AND EXTENDERS ..... —
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7735749L
CROSSLINKING SYSTEMS 7735754L
ODORANTS ..... —
BLOWING AGENTS 7735756L
SOLVENTS ..... —
SURFACTANTS AND OTHER PROCESSING AGENTS 7735757L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7735762L
LATICES, SOLUTIONS AND PLASTISOLS 7735763L
FOAMS 7735770L
BLENDS 7735778L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS 7735781L
MIXES AND COMPOUNDS 7735784L
POWDERS ..... —
EXTRUDATES 7735788L
SHEETING AND FILM 7735789L
LAMINATES AND REINFORCED PLASTICS 7735798L
COATED MATERIALS ..... —
POLYMER BOUND FIBROUS MATERIALS 7735823L
POLYMER BOUND NON-FIBROUS MATERIALS 7735824L
SYNTHETIC LEATHER ..... —
FIBRES 7735828L
SCRAP POLYMERS 7735829L

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE ..... —
MILITARY 7735830L
BREWING ..... —
ENGINEERING ..... —
ENERGY APPLICATIONS 7735831C
MARINE OTHER THAN TRANSPORT 7735832L
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS ..... —
ADHESIVES, SEALANTS AND COATINGS 7735833L
BELTING 7735847L
CLOTHING AND FOOTWEAR 7735851L
DOMESTIC FURNISHINGS AND FITTINGS 7735852L
ELECTRICAL APPLICATIONS 7735862L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7735872L
HOSE, TUBING AND PIPING 7735876L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7735886L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7735899L
INSULATION (NON-ELECTRICAL) 7735900L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7735908L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7735919L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7735937L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7735964L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7735974L
TYRES, TRACKS AND WHEELS 7735985L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7736007L
ROLLERS ..... —
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7736010L

VOL.
20
198

PROCESSING AND TREATMENT	7736011L
PRELIMINARY PROCESSES	7736013L
EXTRUSION	7736021L
MOULDING	7736045L
CALENDERING	—
SHEET FORMING	7736069L
OTHER SHAPING PROCESSES	7736070L
COATING AND IMPREGNATING	7736072L
LAMINATING	—
VULCANISATION	7736073L
BONDING	7736074L
MACHINING, FINISHING AND SURFACE TREATMENT	7736078L
REPAIRING AND RETREADING	7736092L
RECLAIMING	7736094L
CONTROL EQUIPMENT	7736098L
PROPERTIES AND TESTING	7736117L
ANALYSIS AND TESTING	7736118L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA	7736136L
ODOUR, TASTE AND TOXICITY	7736140L
AGEING, WEATHERING AND CHEMICAL ATTACK	7736142L
COLLOIDAL PROPERTIES	—
MECHANICAL PROPERTIES	7736148L
THERMAL AND FLAMMABILITY PROPERTIES	7736164L
ELECTRICAL AND MAGNETIC PROPERTIES	7736174L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY	7736176L
RHEOLOGICAL PROPERTIES	7736185L
MORPHOLOGICAL PROPERTIES	7736190L
OTHER PROPERTIES, INCLUDING ADHESION	7736191C
NON-DESTRUCTIVE TESTING	7736194L

OL.
O
983

VOL
20
198

Rapra Abstracts Vol. 20, No. 21 (1983)

Contents

GENERALIA	7736195A
COMMERCIAL AND ECONOMIC	7736202A
COMPANY ACTIVITIES	7736205L
PRODUCTION ORGANISATION AND PLANNING	7736251A
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	—
MARKETING	7736264L
STATISTICS AND ECONOMIC INFORMATION	7736271A
General	7736274L
Machinery	7736276L
Raw materials and monomers	7736279L
Polymers	7736284L
Compounding ingredients	—
Polymeric forms; powders, latices, etc	7736297L
Semi-finished products; fibres; laminates, etc	7736298L
Finished products and applications	7736299L
LEGISLATION	7736303L
INDUSTRIAL HEALTH AND SAFETY	7736306A
RAW MATERIALS AND MONOMERS	7736308L
POLYMERS AND POLYMERISATION	7736313A
POLYMERISATION PROCESSES AND CATALYSTS	7736314L
NATURAL POLYMERS	7736319L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7736323L
Aromatic olefin polymers including polystyrene	7736327L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	7736334L
Vinyl ester and allyl ester polymers	7736335L
Acrylic polymers	7736336L
Vinyl ether, aldehyde and ketone polymers	7736344L
Halo-olefin polymers including PVC and PTFE	7736346A
Nitrogen-containing polymers	7736347L
Diolefin polymers including polybutadiene and polyisoprene	7736357L
CONDENSATION POLYMERS	7736366L
Polyesters (saturated), polycarbonates	7736367L
Polyamides, polyimides	7736371L
Polyethers	7736374L
Polyurethanes, polyureas	7736379L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7736383L
CONDENSATION RESINS	7736384L
INORGANIC POLYMERS	7736385L
DIAZO DECOMPOSITION POLYMERS	—

VOL. 20 1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7736387A
FILLERS AND REINFORCING AGENTS 7736391L
PIGMENTS AND DYES 7736418C
PLASTICISERS AND EXTENDERS 7736424L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7736428L
CROSSLINKING SYSTEMS 7736439L
ODORANTS 7736441L
BLOWING AGENTS ..... —
SOLVENTS ..... —
SURFACTANTS AND OTHER PROCESSING AGENTS 7736442L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS ..... —
LATICES, SOLUTIONS AND PLASTISOLS 7736452L
FOAMS 7736484L
BLENDS 7736499L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS 7736510L
MIXES AND COMPOUNDS ..... —
POWDERS 7736514L
EXTRUDATES ..... —
SHEETING AND FILM 7736516L
LAMINATES AND REINFORCED PLASTICS 7736519L
COATED MATERIALS 7736566L
POLYMER BOUND FIBROUS MATERIALS ..... —
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER ..... —
FIBRES 7736567L
SCRAP POLYMERS ..... —

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE 7736573L
AGRICULTURE AND HORTICULTURE ..... —
MILITARY ..... —
BREWING ..... —
ENGINEERING ..... —
ENERGY APPLICATIONS 7736574A
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY 7736576L

APPLICATIONS ..... —
ADHESIVES, SEALANTS AND COATINGS 7736577A
BELTING 7736593L
CLOTHING AND FOOTWEAR 7736594L
DOMESTIC FURNISHINGS AND FITTINGS 7736595L
ELECTRICAL APPLICATIONS 7736601L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7736625L
HOSE, TUBING AND PIPING 7736628L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7736640A
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT ..... —
INSULATION (NON-ELECTRICAL) 7736650A
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7736665L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7736691A
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7736695L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7736706L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7736729L
TYRES, TRACKS AND WHEELS 7736747A
VIBRATION DAMPERS AND SHOCK ABSORBERS 7736750A
ROLLERS ..... —
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7736753L

VOL
20
198

PROCESSING AND TREATMENT 7736754A
PRELIMINARY PROCESSES 7736756L
EXTRUSION 7736763L
MOULDING 7736772C
CALENDERING 7736810L
SHEET FORMING 7736811L
OTHER SHAPING PROCESSES ..... —
COATING AND IMPREGNATING ..... —
LAMINATING 7736815A
VULCANISATION 7736816A
BONDING 7736817L
MACHINING, FINISHING AND SURFACE TREATMENT 7736820L
REPAIRING AND RETREADING 7736832L
RECLAIMING 7736833L
CONTROL EQUIPMENT 7736837C

PROPERTIES AND TESTING ..... —
ANALYSIS AND TESTING 7736844L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7736850L
ODOUR, TASTE AND TOXICITY ..... —
AGEING, WEATHERING AND CHEMICAL ATTACK 7736887L
COLLOIDAL PROPERTIES 7736912L
MECHANICAL PROPERTIES 7736913L
THERMAL AND FLAMMABILITY PROPERTIES 7736935L
ELECTRICAL AND MAGNETIC PROPERTIES 7736952L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7736963L
RHEOLOGICAL PROPERTIES 7736976L
MORPHOLOGICAL PROPERTIES 7736984L
OTHER PROPERTIES, INCLUDING ADHESION 7736991L
NON-DESTRUCTIVE TESTING ..... —

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 22 (1983)

Contents

GENERALIA	7736998L
COMMERCIAL AND ECONOMIC	7737000L
COMPANY ACTIVITIES	7737004L
PRODUCTION ORGANISATION AND PLANNING	7737095L
PURCHASING AND COSTING	7737110C
INDUSTRIAL RELATIONS AND PERSONNEL	7737112C
MARKETING	7737113L
STATISTICS AND ECONOMIC INFORMATION	—
General	7737119L
Machinery	7737120L
Raw materials and monomers	7737121L
Polymers	7737135C
Compounding ingredients	—
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	—
Finished products and applications	7737164C
LEGISLATION	7737171C
INDUSTRIAL HEALTH AND SAFETY	—
RAW MATERIALS AND MONOMERS	7737175L
POLYMERS AND POLYMERISATION	7737177L
POLYMERISATION PROCESSES AND CATALYSTS	7737178L
NATURAL POLYMERS	7737185L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7737187C
Aromatic olefin polymers including polystyrene	7737191A
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	7737202L
Acrylic polymers	7737203L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7737209L
Nitrogen-containing polymers	7737214L
Diolefin polymers including polybutadiene and polyisoprene	7737217L
CONDENSATION POLYMERS	—
Polyesters (saturated), polycarbonates	7737219A
Polyamides, polyimides	7737224L
Polyethers	7737230L
Polyurethanes, polyureas	7737237C
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7737245L
CONDENSATION RESINS	7737252L
INORGANIC POLYMERS	7737253A
DIAZO DECOMPOSITION POLYMERS	—

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7737257C
FILLERS AND REINFORCING AGENTS 7737260L
PIGMENTS AND DYES 7737271C
PLASTICISERS AND EXTENDERS 7737287A
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7737291L
CROSSLINKING SYSTEMS 7737299A
ODORANTS ..... —
BLOWING AGENTS ..... —
SOLVENTS ..... —
SURFACTANTS AND OTHER PROCESSING AGENTS 7737302A
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7737307L
LATICES, SOLUTIONS AND PLASTISOLS 7737308L
FOAMS 7737316L
BLENDS 7737325L
LIQUID POLYMERS 7737333L
THERMOPLASTIC RUBBERS ..... —
MIXES AND COMPOUNDS 7737335L
POWDERS 7737337L
EXTRUDATES ..... —
SHEETING AND FILM 7737338L
LAMINATES AND REINFORCED PLASTICS 7737345L
COATED MATERIALS ..... —
POLYMER BOUND FIBROUS MATERIALS ..... —
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER ..... —
FIBRES 7737369L
SCRAP POLYMERS 7737370A

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE ..... —
MILITARY ..... —
BREWING ..... —
ENGINEERING 7737371L
ENERGY APPLICATIONS ..... —
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS ..... —
ADHESIVES, SEALANTS AND COATINGS 7737373C
BELTING ..... —
CLOTHING AND FOOTWEAR 7737445L
DOMESTIC FURNISHINGS AND FITTINGS 7737447L
ELECTRICAL APPLICATIONS 7737454L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7737461A
HOSE, TUBING AND PIPING 7737463L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7737471L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7737481L
INSULATION (NON-ELECTRICAL) 7737483L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7737485L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7737493C
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7737519L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7737542L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7737552L
TYRES, TRACKS AND WHEELS 7737597C
VIBRATION DAMPERS AND SHOCK ABSORBERS 7737603L
ROLLERS ..... —
STATIONERS' GOODS 7737605C
MISCELLANEOUS GOODS 7737607L

VOL
20
198

PROCESSING AND TREATMENT 7737610L
PRELIMINARY PROCESSES 7737614A
EXTRUSION 7737625L
MOULDING 7737638L
CALENDERING 7737674L
SHEET FORMING 7737675A
OTHER SHAPING PROCESSES 7737677L
COATING AND IMPREGNATING 7737678L
LAMINATING ..... —
VULCANISATION 7737679L
BONDING 7737681L
MACHINING, FINISHING AND SURFACE TREATMENT 7737688L
REPAIRING AND RETREADING ..... —
RECLAIMING 7737706L
CONTROL EQUIPMENT 7737709L

PROPERTIES AND TESTING ..... —
ANALYSIS AND TESTING 7737718L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7737724C
ODOUR, TASTE AND TOXICITY 7737735C
AGEING, WEATHERING AND CHEMICAL ATTACK 7737740L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7737758L
THERMAL AND FLAMMABILITY PROPERTIES 7737770L
ELECTRICAL AND MAGNETIC PROPERTIES 7737776L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7737784L
RHEOLOGICAL PROPERTIES 7737792L
MORPHOLOGICAL PROPERTIES 7737795L
OTHER PROPERTIES, INCLUDING ADHESION 7737799L
NON-DESTRUCTIVE TESTING 7737802A

BOOK REVIEWS I

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 23 (1983)

Contents

GENERALIA	7737806A
COMMERCIAL AND ECONOMIC	7737807L
COMPANY ACTIVITIES	7737810L
PRODUCTION ORGANISATION AND PLANNING	7737846L
PURCHASING AND COSTING	—
INDUSTRIAL RELATIONS AND PERSONNEL	—
MARKETING	7737855L
STATISTICS AND ECONOMIC INFORMATION	7737856L
General	7737858L
Machinery	7737862L
Raw materials and monomers	7737863L
Polymers	7737868L
Compounding ingredients	—
Polymeric forms; powders, latices, etc	7737878L
Semi-finished products; fibres; laminates, etc	—
Finished products and applications	7737879L
LEGISLATION	7737884L
INDUSTRIAL HEALTH AND SAFETY	7737885A
RAW MATERIALS AND MONOMERS	7737887L
POLYMERS AND POLYMERISATION	7737890L
POLYMERISATION PROCESSES AND CATALYSTS	7737893L
NATURAL POLYMERS	7737917L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7737918L
Aromatic olefin polymers including polystyrene	7737924L
Aliphatic-substituted olefin polymers	7737929L
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	7737930L
Acrylic polymers	7737931L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7737938L
Nitrogen-containing polymers	7737940L
Diolefin polymers including polybutadiene and polyisoprene	7737944L
CONDENSATION POLYMERS	7737953L
Polyesters (saturated), polycarbonates	7737956L
Polyamides, polyimides	7737957L
Polyethers	7737964L
Polyurethanes, polyureas	7737969L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7737974L
CONDENSATION RESINS	7737976L
INORGANIC POLYMERS	7737977L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
20
1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7737980A
FILLERS AND REINFORCING AGENTS 7737981L
PIGMENTS AND DYES 7737996L
PLASTICISERS AND EXTENDERS 7738001L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7738010L
CROSSLINKING SYSTEMS 7738019L
ODORANTS ..... —
BLOWING AGENTS 7738025L
SOLVENTS 7738026A
SURFACTANTS AND OTHER PROCESSING AGENTS 7738027L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7738035L
LATICES, SOLUTIONS AND PLASTISOLS 7738036L
FOAMS 7738066L
BLENDS 7738075L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS ..... —
MIXES AND COMPOUNDS 7738086C
POWDERS ..... —
EXTRUDATES ..... —
SHEETING AND FILM 7738088L
LAMINATES AND REINFORCED PLASTICS 7738101L
COATED MATERIALS ..... —
POLYMER BOUND FIBROUS MATERIALS ..... —
POLYMER BOUND NON-FIBROUS MATERIALS 7738128L
SYNTHETIC LEATHER ..... —
FIBRES 7738129L
SCRAP POLYMERS ..... —

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE 7738134L
MILITARY ..... —
BREWING ..... —
ENGINEERING 7738135L
ENERGY APPLICATIONS 7738136L
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE 7738149L
OIL INDUSTRY 7738150L

APPLICATIONS 7738151L
ADHESIVES, SEALANTS AND COATINGS 7738154L
BELTING ..... —
CLOTHING AND FOOTWEAR 7738182L
DOMESTIC FURNISHINGS AND FITTINGS 7738184L
ELECTRICAL APPLICATIONS 7738187L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7738201L
HOSE, TUBING AND PIPING 7738205L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7738248L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7738259L
INSULATION (NON-ELECTRICAL) 7738261L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7738273L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7738296L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7738309L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7738337L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7738356L
TYRES, TRACKS AND WHEELS 7738359A
VIBRATION DAMPERS AND SHOCK ABSORBERS 7738365L
ROLLERS ..... —
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7738368L

VOL
20
198

PROCESSING AND TREATMENT 7738369L
PRELIMINARY PROCESSES 7738370L
EXTRUSION 7738384L
MOULDING 7738392L
CALENDERING ..... —
SHEET FORMING ..... —
OTHER SHAPING PROCESSES 7738425L
COATING AND IMPREGNATING 7738426L
LAMINATING 7738430L
VULCANISATION 7738431L
BONDING 7738437L
MACHINING, FINISHING AND SURFACE TREATMENT 7738441L
REPAIRING AND RETREADING ..... —
RECLAIMING 7738458L
CONTROL EQUIPMENT 7738460L

PROPERTIES AND TESTING 7738470A
ANALYSIS AND TESTING 7738473L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7738478L
ODOUR, TASTE AND TOXICITY 7738519L
AGEING, WEATHERING AND CHEMICAL ATTACK 7738520L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7738540L
THERMAL AND FLAMMABILITY PROPERTIES 7738558L
ELECTRICAL AND MAGNETIC PROPERTIES 7738568L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7738588L
RHEOLOGICAL PROPERTIES 7738612L
MORPHOLOGICAL PROPERTIES 7738616L
OTHER PROPERTIES, INCLUDING ADHESION 7738622L
NON-DESTRUCTIVE TESTING 7738623A

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 24 (1983)

Contents

GENERALIA	7738640L
COMMERCIAL AND ECONOMIC	7738647L
COMPANY ACTIVITIES	7738648L
PRODUCTION ORGANISATION AND PLANNING	7738704L
PURCHASING AND COSTING	7738713L
INDUSTRIAL RELATIONS AND PERSONNEL	7738714L
MARKETING	7738715L
STATISTICS AND ECONOMIC INFORMATION	—
General	7738725L
Machinery	7738729L
Raw materials and monomers	7738730L
Polymers	7738731L
Compounding ingredients	—
Polymeric forms; powders, latices, etc	7738763L
Semi-finished products; fibres; laminates, etc	7738764L
Finished products and applications	7738765L
LEGISLATION	7738768L
INDUSTRIAL HEALTH AND SAFETY	7738771L
RAW MATERIALS AND MONOMERS	7738774L
POLYMERS AND POLYMERISATION	—
POLYMERISATION PROCESSES AND CATALYSTS	7738777L
NATURAL POLYMERS	7738784L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7738788L
Aromatic olefin polymers including polystyrene	7738811L
Aliphatic-substituted olefin polymers	—
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7738817L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7738827L
Nitrogen-containing polymers	7738828L
Diolefin polymers including polybutadiene and polyisoprene	7738831L
CONDENSATION POLYMERS	—
Polyesters (saturated), polycarbonates	—
Polyamides, polyimides	7738834L
Polyethers	7738839L
Polyurethanes, polyureas	7738843L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7738850L
CONDENSATION RESINS	7738853L
INORGANIC POLYMERS	7738855L
DIAZO DECOMPOSITION POLYMERS	—

VOL.
20
1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7738857L
FILLERS AND REINFORCING AGENTS 7738859L
PIGMENTS AND DYES 7738873L
PLASTICISERS AND EXTENDERS 7738878L
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS 7738881C
CROSSLINKING SYSTEMS 7738886L
ODORANTS ..... —
BLOWING AGENTS ..... —
SOLVENTS 7738895C
SURFACTANTS AND OTHER PROCESSING AGENTS 7738897L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS ..... —
LATICES, SOLUTIONS AND PLASTISOLS 7738903L
FOAMS 7738918L
BLENDS 7738950L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS 7738963L
MIXES AND COMPOUNDS 7738967L
POWDERS ..... —
EXTRUDATES 7738969L
SHEETING AND FILM 7738970L
LAMINATES AND REINFORCED PLASTICS 7738985L
COATED MATERIALS 7739013A
POLYMER BOUND FIBROUS MATERIALS 7739014L
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER ..... —
FIBRES 7739016L
SCRAP POLYMERS 7739019C

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE 7739032L
AGRICULTURE AND HORTICULTURE 7739033C
MILITARY 7739034L
BREWING ..... —
ENGINEERING 7739036C
ENERGY APPLICATIONS ..... —
MARINE OTHER THAN TRANSPORT ..... —
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY 7739037L

APPLICATIONS ..... —
ADHESIVES, SEALANTS AND COATINGS 7739038L
BELTING 7739058A
CLOTHING AND FOOTWEAR 7739061L
DOMESTIC FURNISHINGS AND FITTINGS 7739064L
ELECTRICAL APPLICATIONS 7739078L
FANCY GOODS ..... —
GAMES AND SPORTS GOODS 7739092L
HOSE, TUBING AND PIPING 7739095L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7739113L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT 7739125L
INSULATION (NON-ELECTRICAL) 7739128L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7739136L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7739162L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7739168L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7739194L
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7739207L
TYRES, TRACKS AND WHEELS 7739218L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7739229L
ROLLERS 7739230A
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7739231L

VOL
20
198

PROCESSING AND TREATMENT 7739234L
PRELIMINARY PROCESSES 7739236L
EXTRUSION 7739244L
MOULDING 7739256L
CALENDERING 7739280L
SHEET FORMING 7739281L
OTHER SHAPING PROCESSES 7739282L
COATING AND IMPREGNATING 7739284L
LAMINATING 7739285L
VULCANISATION 7739286L
BONDING 7739294L
MACHINING, FINISHING AND SURFACE TREATMENT 7739297L
REPAIRING AND RETREADING ..... —
RECLAIMING 7739308L
CONTROL EQUIPMENT 7739314L

PROPERTIES AND TESTING 7739323C
ANALYSIS AND TESTING 7739324L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7739329L
ODOUR, TASTE AND TOXICITY 7739350A
AGEING, WEATHERING AND CHEMICAL ATTACK 7739351L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7739371L
THERMAL AND FLAMMABILITY PROPERTIES 7739385L
ELECTRICAL AND MAGNETIC PROPERTIES 7739405L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7739410L
RHEOLOGICAL PROPERTIES 7739421L
MORPHOLOGICAL PROPERTIES 7739427L
OTHER PROPERTIES, INCLUDING ADHESION 7739435L
NON-DESTRUCTIVE TESTING 7739436L

BOOK REVIEWS I

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 25 (1983)

Contents

GENERALIA	—
COMMERCIAL AND ECONOMIC	—
COMPANY ACTIVITIES	7739441L
PRODUCTION ORGANISATION AND PLANNING	7739499C
PURCHASING AND COSTING	7739518L
INDUSTRIAL RELATIONS AND PERSONNEL	7739519L
MARKETING	7739520L
STATISTICS AND ECONOMIC INFORMATION	7739527L
General	7739530L
Machinery	—
Raw materials and monomers	7739536L
Polymers	7739541L
Compounding ingredients	7739562L
Polymeric forms; powders, latices, etc	—
Semi-finished products; fibres; laminates, etc	7739570L
Finished products and applications	7739575L
LEGISLATION	—
INDUSTRIAL HEALTH AND SAFETY	7739582L
RAW MATERIALS AND MONOMERS	—
POLYMERS AND POLYMERISATION	7739585L
POLYMERISATION PROCESSES AND CATALYSTS	7739586C
NATURAL POLYMERS	7739597L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7739600L
Aromatic olefin polymers including polystyrene	7739608C
Aliphatic-substituted olefin polymers	—
Alcohol polymers	7739615L
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7739616C
Vinyl ether, aldehyde and ketone polymers	7739623C
Halo-olefin polymers including PVC and PTFE	7739624L
Nitrogen-containing polymers	7739628L
Diolefin polymers including polybutadiene and polyisoprene	7739635C
CONDENSATION POLYMERS	—
Polyesters (saturated), polycarbonates	7739647L
Polyamides, polyimides	7739650L
Polyethers	7739658L
Polyurethanes, polyureas	7739663L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7739665L
CONDENSATION RESINS	7739668L
INORGANIC POLYMERS	7739670C
DIAZO DECOMPOSITION POLYMERS	—

VOL.
O
983

ISSN 0033—6750

COMPOUNDING INGREDIENTS	7739674L
FILLERS AND REINFORCING AGENTS	7739676C
PIGMENTS AND DYES	7739694C
PLASTICISERS AND EXTENDERS	7739702C
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS	773970+C
CROSSLINKING SYSTEMS	7739721C
ODORANTS	—
BLOWING AGENTS	7739731C
SOLVENTS	—
SURFACTANTS AND OTHER PROCESSING AGENTS	7739732C
TEXTILES: FIBRES AND FABRICS	—
INTERMEDIATE AND SEMI-FINISHED PRODUCTS	7739739L
LATICES, SOLUTIONS AND PLASTISOLS	7739740C
FOAMS	7739754L
BLENDS	7739762C
LIQUID POLYMERS	—
THERMOPLASTIC RUBBERS	7739779L
MIXES AND COMPOUNDS	—
POWDERS	7739781L
EXTRUDATES	—
SHEETING AND FILM	7739782L
LAMINATES AND REINFORCED PLASTICS	7739788L
COATED MATERIALS	7739834C
POLYMER BOUND FIBROUS MATERIALS	7739836C
POLYMER BOUND NON-FIBROUS MATERIALS	—
SYNTHETIC LEATHER	7739837L
FIBRES	7739838C
SCRAP POLYMERS	7739844L
RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE	7739845L
AGRICULTURE AND HORTICULTURE	7739847L
MILITARY	—
BREWING	—
ENGINEERING	—
ENERGY APPLICATIONS	—
MARINE OTHER THAN TRANSPORT	—
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE	—
OIL INDUSTRY	7739850L
APPLICATIONS	7739851L
ADHESIVES, SEALANTS AND COATINGS	7739852L
BELTING	7739877L
CLOTHING AND FOOTWEAR	7739878L
DOMESTIC FURNISHINGS AND FITTINGS	7739879L
ELECTRICAL APPLICATIONS	7739883L
FANCY GOODS	—
GAMES AND SPORTS GOODS	7739899L
HOSE, TUBING AND PIPING	7739903L
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS	7739915L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT	—
INSULATION (NON-ELECTRICAL)	7739923L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE	7739925L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE)	7739933L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES	7739949L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES	7739974C
MEDICAL, DENTAL AND VETERINARY APPLICATIONS	7739978C
TYRES, TRACKS AND WHEELS	7740028L
VIBRATION DAMPERS AND SHOCK ABSORBERS	7740044L
ROLLERS	—
STATIONERS' GOODS	—
MISCELLANEOUS GOODS	—

VOL
20
198

PROCESSING AND TREATMENT 7740046L
PRELIMINARY PROCESSES 7740048C
EXTRUSION 7740062L
MOULDING 7740065L
CALENDERING ..... —
SHEET FORMING 7740089L
OTHER SHAPING PROCESSES 7740091C
COATING AND IMPREGNATING 7740092L
LAMINATING 7740093L
VULCANISATION 7740094L
BONDING 7740098L
MACHINING, FINISHING AND SURFACE TREATMENT 7740107L
REPAIRING AND RETREADING 7740116L
RECLAIMING ..... —
CONTROL EQUIPMENT 7740117C

PROPERTIES AND TESTING 7740122L
ANALYSIS AND TESTING 7740127C
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7740133C
ODOUR, TASTE AND TOXICITY 7740156L
AGEING, WEATHERING AND CHEMICAL ATTACK 7740157C
COLLOIDAL PROPERTIES 7740177C
MECHANICAL PROPERTIES 7740178C
THERMAL AND FLAMMABILITY PROPERTIES 7740202C
ELECTRICAL AND MAGNETIC PROPERTIES 7740210L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7740215C
RHEOLOGICAL PROPERTIES 7740223C
MORPHOLOGICAL PROPERTIES 7740241L
OTHER PROPERTIES, INCLUDING ADHESION 7740244C
NON-DESTRUCTIVE TESTING ..... —

VOL.
20
1983

VOL
20
198

Rapra Abstracts Vol. 20, No. 26 (1983)

Contents

GENERALIA	7740249L
COMMERCIAL AND ECONOMIC	—
COMPANY ACTIVITIES	7740255L
PRODUCTION ORGANISATION AND PLANNING	7740288L
PURCHASING AND COSTING	7740294L
INDUSTRIAL RELATIONS AND PERSONNEL	7740295L
MARKETING	7740296L
STATISTICS AND ECONOMIC INFORMATION	7740300L
General	7740304L
Machinery	7740332L
Raw materials and monomers	7740334L
Polymers	7740338L
Compounding ingredients	7740352L
Polymeric forms; powders, latices, etc	7740354L
Semi-finished products; fibres; laminates, etc	7740355L
Finished products and applications	7740359L
LEGISLATION	7740369L
INDUSTRIAL HEALTH AND SAFETY	7740372C
RAW MATERIALS AND MONOMERS	7740374A
POLYMERS AND POLYMERISATION	7740376L
POLYMERISATION PROCESSES AND CATALYSTS	7740377L
NATURAL POLYMERS	7740393L
ADDITION POLYMERS	—
Aliphatic olefin polymers including polyethylene and polypropylene	7740396L
Aromatic olefin polymers including polystyrene	7740409L
Aliphatic-substituted olefin polymers	7740413L
Alcohol polymers	—
Acetal polymers	—
Vinyl ester and allyl ester polymers	—
Acrylic polymers	7740414L
Vinyl ether, aldehyde and ketone polymers	—
Halo-olefin polymers including PVC and PTFE	7740421L
Nitrogen-containing polymers	7740426L
Diolefin polymers including polybutadiene and polyisoprene	7740428L
CONDENSATION POLYMERS	—
Polyesters (saturated), polycarbonates	7740436L
Polyamides, polyimides	7740440L
Polyethers	7740450L
Polyurethanes, polyureas	7740454L
Polyanhydrides	—
Polyesters (unsaturated), epoxy resins, alkyd resins	7740456L
CONDENSATION RESINS	7740462L
INORGANIC POLYMERS	7740464L
DIAZO DECOMPOSITION POLYMERS	—

VOL. 20 1983

ISSN 0033—6750

COMPOUNDING INGREDIENTS 7740468L
FILLERS AND REINFORCING AGENTS 7740469L
PIGMENTS AND DYES 7740492C
PLASTICISERS AND EXTENDERS 7740497C
PROTECTIVE AGENTS INCLUDING ANTIOZONANTS, ANTIOXIDANTS AND STABILISERS ..... 774050+L
CROSSLINKING SYSTEMS 7740517L
ODORANTS ..... —
BLOWING AGENTS 7740522L
SOLVENTS 7740523L
SURFACTANTS AND OTHER PROCESSING AGENTS 7740525L
TEXTILES: FIBRES AND FABRICS ..... —

INTERMEDIATE AND SEMI-FINISHED PRODUCTS 7740529L
LATICES, SOLUTIONS AND PLASTISOLS 7740531L
FOAMS 7740540L
BLENDS 7740556L
LIQUID POLYMERS ..... —
THERMOPLASTIC RUBBERS ..... —
MIXES AND COMPOUNDS 7740572A
POWDERS 7740574C
EXTRUDATES ..... —
SHEETING AND FILM 7740577L
LAMINATES AND REINFORCED PLASTICS 7740591L
COATED MATERIALS ..... —
POLYMER BOUND FIBROUS MATERIALS 7740652L
POLYMER BOUND NON-FIBROUS MATERIALS ..... —
SYNTHETIC LEATHER ..... —
FIBRES 7740656L
SCRAP POLYMERS 7740663L

RELATING TO PARTICULAR INDUSTRIES AND FIELDS OF USE ..... —
AGRICULTURE AND HORTICULTURE 7740664L
MILITARY ..... —
BREWING 7740665L
ENGINEERING ..... —
ENERGY APPLICATIONS ..... —
MARINE OTHER THAN TRANSPORT 7740666A
NUCLEAR INCLUDING DISPOSAL OF NUCLEAR WASTE ..... —
OIL INDUSTRY ..... —

APPLICATIONS 7740667A
ADHESIVES, SEALANTS AND COATINGS 7740668C
BELTING 7740688L
CLOTHING AND FOOTWEAR 7740692A
DOMESTIC FURNISHINGS AND FITTINGS 7740693L
ELECTRICAL APPLICATIONS 7740698L
FANCY GOODS 7740706L
GAMES AND SPORTS GOODS 7740708L
HOSE, TUBING AND PIPING 7740710C
JOINTS, SEALS, PACKINGS AND OTHER MECHANICAL PARTS 7740725L
OPTICAL, PHOTOGRAPHIC AND SCIENTIFIC EQUIPMENT ..... —
INSULATION (NON-ELECTRICAL) 7740733L
POLYMERS USED AS CHEMICAL REAGENTS, MEMBRANES, CONTROLLED RELEASE 7740742L
TRANSPORT APPLICATIONS (LAND, SEA, AIR AND SPACE) 7740750L
PACKAGING, CONTAINERS AND RELATED ACCESSORIES 7740754L
BUILDING PARTS, STRUCTURES AND OUTDOOR SURFACES 7740771C
MEDICAL, DENTAL AND VETERINARY APPLICATIONS 7740779L
TYRES, TRACKS AND WHEELS 7740782L
VIBRATION DAMPERS AND SHOCK ABSORBERS 7740788L
ROLLERS ..... —
STATIONERS' GOODS ..... —
MISCELLANEOUS GOODS 7740792A

VOL
20
198

PROCESSING AND TREATMENT 7740793L
PRELIMINARY PROCESSES 7740795L
EXTRUSION 7740802L
MOULDING 7740820L
CALENDERING 7740849L
SHEET FORMING 7740850L
OTHER SHAPING PROCESSES ..... —
COATING AND IMPREGNATING ..... —
LAMINATING 7740855L
VULCANISATION 7740856L
BONDING 7740860C
MACHINING, FINISHING AND SURFACE TREATMENT 7740866L
REPAIRING AND RETREADING 7740875L
RECLAIMING 7740877L
CONTROL EQUIPMENT 7740878L

PROPERTIES AND TESTING 7740881L
ANALYSIS AND TESTING 7740883L
STRUCTURE, MOLECULAR WEIGHT, CRYSTALLINITY AND CURING PHENOMENA 7740890L
ODOUR, TASTE AND TOXICITY 7740921L
AGEING, WEATHERING AND CHEMICAL ATTACK 7740924L
COLLOIDAL PROPERTIES ..... —
MECHANICAL PROPERTIES 7740948L
THERMAL AND FLAMMABILITY PROPERTIES 7740985L
ELECTRICAL AND MAGNETIC PROPERTIES 7741005L
OPTICAL PROPERTIES, INCLUDING SPECTROSCOPY AND MICROSCOPY 7741012L
RHEOLOGICAL PROPERTIES 7741022L
MORPHOLOGICAL PROPERTIES 7741031L
OTHER PROPERTIES, INCLUDING ADHESION 7741038L
NON-DESTRUCTIVE TESTING ..... —

7OL.
:0
983

VOL
20
198

JOURNALS AND THEIR ABBREVIATIONS

The current journal titles held in the RAPRA Library are listed below in order of the abbreviated titles where applicable, as used in the abstract references, together with the full title. Names and addresses of publishers are bracketed after the journal title but are omitted for publications from Czechoslovakia, Hungary, Poland, Roumania and USSR, where an importing agent is more conveniently used.

ASTM Standard.News	ASTM Standardization News (American Society for Testing and Materials, 1916 Race St., Philadelphia, Pa. 19103, U.S.A.)
Abs.Bull.Inst.Paper Chem.	Abstract Bulletin of the Institute of Paper Chemistry (Institute of Paper Chemistry, P.O. Box 1039, Appleton, WI. 54912, U.S.A.)
Adhasion	Adhasion (Bertelsmann Fachzeitschriften GmbH, Neumarkter Strasse 18, 8000 Munich 80, Fed. Rep. of Germany)
Adhesives Age	Adhesives Age (Communication Channels Inc., 6285 Barfield Road, Atlanta, Ga. 30328, U.S.A.)
Adv.Coll.Inter.Sci.	Advances in Colloid and Interface Science (Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, The Netherlands)
Adv.Polym.Sci.	Advances in Polymer Science (Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Fed. of Rep. of Germany)
Adv.Polym.Technol.	Advances in Polymer Technology (Van Nostrand Reinhold Co., 135 West 50th St., New York, N.Y. 10020, U.S.A.)
Am.Ind.Hyg.Assn.J.	American Industrial Hygiene Association Journal (475 Wolf Ledges Parkway, Akron, Ohio 44311, U.S.A.)
Analyt.Abs.	Analytical Abstracts (Royal Society of Chemistry, Burlington House, London W1V OBN)
Analyt.Chem.	Analytical Chemistry (American Chemical Society, 1155 16th St., NW Washington, D.C. 20036, U.S.A.)
Analyt.Tables For.Trade(Sect.D)	Analytical Tables of Foreign Trade (Section D) (Office for Official Publications of the European Communities, Boite Postale 1003, Luxembourg)
Angew.Makromol.Chem.	Angewandte Makromolekulare Chemie (Huthig & Wepf Verlag, Eisengasse 5, CH-4001 Basel, Switzerland)
Ann.Occup.Hyg.	Annals of Occupational Hygiene (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW; for British Occupational Hygiene Society)
Anti-Corr.Meth.Mat.	Anti-Corrosion Methods & Materials (Sawell Publications Ltd., 127 Stanstead Road, London SE23 1JE)
Anuario Estat.	Anuario Estatistico (Ministry of Industry and Commerce, Department for Rubber, Brasilia, Brazil)
Appl.Spectrosc.	Applied Spectroscopy (Society for Applied Spectroscopy, 428 East Preston St., Baltimore, Md. 21202, U.S.A.)
Archs.Envir.Hlth.	Archives of Environmental Health (Heldref Publications, 4000 Albemarle St., N.W., Washington, D.C. 20016, U.S.A.)
Artificial Organs	Artificial Organs (International Society for Artificial Organs, 8937 Euclid Avenue, Cleveland, Ohio 44106, U.S.A.)
Aslib Inf.	Aslib Information (Aslib Publications, 3 Belgrave Square, London SW1X 8PL)
Aslib Proc.	Aslib Proceedings (Aslib Publications, 3 Belgrave Square, London SW1X 8PL)
Aust.Plast.Rubb.	Australian Plastics & Rubber (IPC Business Press (Australia) Pty. Ltd., P.O. Box M204, Sydney Mail Exchange 2012, NSW Australia)
Automobile Abs.	Automobile Abstracts (Motor Industry Research Association, Watling St., Nuneaton, Warwickshire CV10 OTU)
Automot.Engng.	Automotive Engineering (Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, Pa. 15096, U.S.A.)
Automot.Engr.	Automotive Engineer (Mechanical Engineering Publications Ltd., P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW)
Avon News	Avon News (IH Publications Limited, Rapier House, Lamb's Conduit Street, London WC1N 3LJ)
BFG Citizen	BFG Citizen (BF Goodrich, Akron, Ohio, U.S.A.)
BIBRA Bull.	BIBRA Bulletin (British Industrial Biological Research Assn., Woodmansterne Road, Carshalton, Surrey SM5 4DS)
BLMRA J.	BLMRA Journal (British Leather Manufacturers' Research Assn., Kings Park Road, Moulton Park Industrial Estate, Northampton NN3 1JD)
BPF News	BPF News (British Plastics Federation, 5 Belgrave Square, London SW1 8PH)
BRE News	BRE News (Building Research Establishment, Garston, Watsford WD2 7JR)
BRMA Rev.	BRMA Review (British Rubber Manufacturers' Association Ltd., 90/91 Tottenham Court Road, London W1P OBR)
BSI News	BSI News (British Standards Institution, Subscriptions Department, 101 Pentonville Road, London N1 9ND)
BSI Sales Bull.	BSI Sales Bulletin (British Standards Institution, Subscriptions Department, 101 Pentonville Road, London N1 9ND
Bayer Reports	Bayer Reports (Bayer Aktiengesellschaft, D-5090 Leverkusen-Bayerwerk, Fed. Rep. of Germany)
Biomaterials	Biomaterials (IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5BH)
Biomed.Appln.Polym.	Biomedical Applications of Polymers (Rubber and Plastics Research Assn. of Great Britain, Shawbury, Shrewsbury, Shropshire, SY4 4NR)
Biomed.Engng.Curr.Aware.Notif.	Biomedical Engineering Current Awareness Notification (Project FAIR, Bioengineering Division, Clinical Research Centre, Watford Road, Harrow, Middlesex HA1 3UJ)

Brit.Busin.	British Business (H.M.S.O., P.O. Box 569, London SE1 9HN; for UK Department of Trade and Industry)
Brit.J.Ind.Med.	British Journal of Industrial Medicine (British Medical Assn., BMA House, Tavistock Square, London WC1H 9JR)
Brit.Lib.Res.Dev.Newsletter	British Library Research and Development Newsletter (British Library, Research and Development Department, Sheraton House, Great Chapel St., London W1V 4BH)
Brit.Pat.Abs.Sect.CH:Chem.	British Patent Abstracts Section CH: Chemical (Derwent Publications Ltd., Rochdale House, 128 Theobalds Road, London WC1X 8RP)
Brit.Plast.Rubb.	British Plastics and Rubber (Maclean-Hunter Ltd., 30 Old Burlington St., London W1X 2AE)
Brit.Polym.J.	British Polymer Journal (Society of Chemical Industry, 14 Belgrave Square, London SW1X 8PS)
Brit.Repts.Transl.Theses	British Reports, Translations and Theses (The British Library Lending Division, Boston Spa, Wetherby, West Yorkshire LS23 7BQ
Bull.Chem.Soc.Jap.	Bulletin of the Chemical Society of Japan (1-5, Kanda-Surugadai, Chiyoda-ku, Tokyo 101, Japan)
Bull.Sign;Polym.Peint.Bois Cuirs	Bulletin Signaletique; Polymeres, Peintures, Bois, Cuirs (Centre National de la Recherche Scientifique, 26 rue Boyer, 75971 Paris Cedex 20)
Bundesges.	Bundesgesundheitsblatt (Carl Heymanns Verlag KG, Gereonstrasse 18, 5000 Koln 1, Fed. Rep. of Germany)
Busin.Monitor.Rubb. Busin.Monitor.Synth.	Business Monitor (H.M.S.O., P.O. Box 569, London SE1 9NH): Rubber Synthetic Resins & Plastics Materials and other selected sections
CBI Ind.Trends Surv.	CBI Industrial Trends Survey (Confederation of British Industry, Centre Point, 103 New Oxford St., London WC1A 1DU)
CETIM Informations	CETIM Informations (Centre Technique des Industries Mechaniques, 52 Avenue Felix-Louat, 60300-Senlis, France)
CTI Commun.Technol.Impact	CTI Communication Technology Impact (Elsevier International Bulletins, Mayfield House, 256 Banbury Road, Oxford OX2 7DH)
CVP Resinotes	CVP Resinotes (Cray Valley Products Ltd., St. Mary Cray, Orpington, Kent BR5 3PP)
Canad.Chem.Process.	Canadian Chemical Processing (Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ont. M3B 2X7, Canada)
Canad.J.Chem.Engng.	Canadian Journal of Chemical Engineering (Canadian Society for Chemical Engineering, 151 Slater St., Ottawa, Ont. K1P 5H3, Canada)
Canad.Plast.	Canadian Plastics (Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ont. M3B 2X7, Canada)
Caout.Plast.	Caoutchoucs et Plastiques (5 rue Jules Lefebvre, 75009 Paris France)
Cell.Polym.	Cellular Polymers (Applied Science Publishers Ltd., Ripple Road, Barking, Essex)
Chem.Abs.Macromol.	Chemical Abstracts. Macromolecular Sections (American Chemical Society, 2540 Olentangy River Road, Columbus, Ohio 43202, U.S.A.)
Chem.Engng.	Chemical Engineering (McGraw-Hill Inc., McGraw-Hill Building, 1221 Avenue of the Americas, New York, N.Y. 10020, U.S.A.)
Chem.Engng.News	Chemical and Engineering News (American Chemical Society, 1155-16th St., N.W., Washington, D.C. 20036, U.S.A.)
Chem.Engng.Prog.	Chemical Engineering Progress (American Institute of Chemical Engineers, 345E. 47 St., New York., N.Y. 10017, U.S.A.)
Chem.Ind.	Chemische Industrie (Verlag Handelsblatt GmbH, Handelsblatthaus, D-4000 Dusseldorf 1, Fed. Rep. of Germany)
Chem.& Ind.	Chemistry and Industry (Society of Chemical Industry, 14/15 Belgrave Square, London SW1X 8PS)
Chem.Ing.Tech.	Chemie-Ingenieur-Technik (Verlag Chemie GmbH, Postfach 1260/1280, D-6940 Weinheim, Fed. Rep. of Germany)
Chem.Int.	Chemistry International (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW)
Chem.Kunst.Aktuell	Chemie Kunststoffe Aktuell (Facultas Verlag, A-1090 Wien, Berggasse 4, Austria; for Chemisches Forschungsinstitut der Wirtschaft Osterreichs)
Chem.Mark.Reporter	Chemical Marketing Reporter (Schnell Publishing Co. Inc., 100 Church St., New York, N.Y. 10007, U.S.A.)
Chem.Prum.	Chemicky Prumysl (Czechoslovakia)
Chemtech	Chemtech (American Chemical Society, 20th and Northampton Sts., Easton, Pa. 18042, U.S.A.)
Chem.Week	Chemical Week (McGraw-Hill Inc., McGraw-Hill Building, 1221 Avenue of the Americas, New York, N.Y. 10020, U.S.A.)
Chem.Zvesti	Chemicke Zvesti (Czechoslovakia)
Chimica e Ind.	Chimica e l'Industria (Editrice di Chimica SpA, Piazzale R. Morandi 2, 20121 Milan, Italy; for Societa Chimica Italiana)
Civ.Engng.(Lond.)	Civil Engineering (Morgan-Grampian (Construction Press) Ltd., 30 Calderwood St., London SE18 6QH)
Coll.Polym.Sci.	Colloid and Polymer Science (Dr. Dietrich Steinkopff Verlag, P.O. Box 11, 1008, D-6100 Darmstadt 11, Fed. Rep. of Germany)
Coll.& Surfaces	Colloids and Surfaces (Elsevier Scientific Publishing Co., P.O. Box 211, 1000AE Amsterdam, The Netherlands)

VOL
20
198

Composites	Composites (Butterworth Scientific Ltd., P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5BH)
Composites Technol.Rev.	Composites Technology Review (American Society for Testing and Materials, 1916 Race St., Philadelphia, Pa. 19103, U.S.A.)
Conf.Exhib.Int.	Conferences and Exhibitions International (Conferences and Exhibitions Publications Ltd., Wardrobe Chambers, 146A Queen Victoria St., London EC4V 4DQ)
Conserv.& Recycling	Conservation & Recycling (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW
Contraception	Contraception (Geron-X, Inc., Box 1108, Los Altos, California 94022, U.S.A.)
Converter	Converter (Embankment Press, Building 59, GEC Estate, East Lane, Wembley, Middlesex HA9 7TQ)
Croner's	Croner's Export Digest (Croner Publications Ltd., Croner House, 173 Kingston Road, New Malden, Surrey KT3 3SS)
Croner's Ref.Book Employ.	Croner's Reference Book for Employers (Croner Publications Ltd., Croner House, 173 Kingston Road, New Malden, Surrey KT3 3SS)
Croner's Ref.Book Export.	Croner's Reference Book for Exporters (Croner Publications Ltd., Croner House, 173 Kingston Road, New Malden, Surrey KT3 3SS) Updating service
Curr.Ind.Rept.Footwear Curr.Ind.Rept.Plast.Bottles	Current Industrial Reports (Subscriber Services Section (Publications), Bureau of the Census, Washington, D.C. 20233, U.S.A.): Footwear Plastics Bottles and other selected sections
Curr.Serials Recd.	Current Serials Received (British Library, Lending Division, Boston Spa, Wetherby, West Yorkshire LS23 7BQ)
DSM Intermezzo	DSM Intermezzo (DSM, Public Relations and Publicity Department, P.O. Box 65, 6400 AB Heerlen, The Netherlands)
Def.Res.Abs.Contractors Edn.	Defence Research Abstracts-Contractors Edn. (Defence Research Information Centre, Station Square House, St. Mary Cray, Orpington, Kent BR5 3RE)
Des.Engng.(USA)	Design Engineering (Morgan-Grampian Publishing Co., 2 Park Ave., New York, NY 10016, U.S.A.)
Des.Prod.Appln.	Design Products and Applications (Industrial Media (DP & A) Ltd., 6 Frant Road, Tunbridge Wells, Kent TN2 5SJ)
Drager Rev.	Drager Review (Dragerwerk AG, P.O. Box 1339, D-24 Lubeck 1, Fed. Rep. of Germany)
Dunlop News	Dunlop News (Dunlop House, Ryder St., London SW1Y 6PX)
Du Pont Mag.Eur.Edn.	Du Pont Magazine. European Edn. (Du Pont de Nemours International SA, P.O. Box CH-1211, Geneva 24, Switzerland)
Dynafacts	Dynafacts (Lord Corporation (U.K.) Ltd., Woodbridge Park Industrial Estate, Guildford, Surrey GU1 1EF)
Elastomerics	Elastomerics (Communication Channels Inc., 6285 Barfield Road, Atlanta, Ga. 30328, U.S.A.)
Elastomerics News-Log	Elastomerics News-Log (Communication Channels Inc., 6285 Barfield Road, Atlanta, Ga. 3)328, U.S.A.)
Elastomers Notebook	Elastomers Notebook (Du Pont de Nemours International SA, Polymer Products Dept., Elastomers Div., Case Postale, CH-1211 Geneva 24, Switzerland)
Elec.Rev.(Lond.)	Electrical Review (IPC Business Press Ltd., 35 Perrymount Road, Haywards Heath, Sussex RH16 3BR)
Employ.Gaz.	Employment Gazette (H.M.S.O., 49 High Holborn, London WC1V 6HB)
Engineer	Engineer (Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood St., London SE18 6QH)
Engng.Des.Int.	Engineering Design International (Du Pont de Nemours International SA, Polymer Products Dept., Engineering Plastic Materials Division, Post Box CH-1211 Geneva 24, Switzerland)
Engng.Mat.Des.	Engineering Materials and Design (IPC Industrial Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS)
Engng.Med.	Engineering in Medicine (Mechanical Engineering Publications Ltd., P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW)
Environ.Pollut.Mgmt.	Environmental Pollution Management (Polcon Publishing Ltd., 268 High St., Uxbridge, Middlesex UB8 1UA)
Eur.Chem.News	European Chemical News (IPC Industrial Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS)
Eur.Intellectual Property Rev.	European Intellectual Property Review (ESC Publishing Ltd., Sales Dept., 25 Beaumont St., Oxford OX1 2NP)
Euronet Diane News	Euronet Diane News (Directorate General for Information Market and Innovation, Commission of the European Communities, 1615 Luxembourg)
Eur.Plast.News	European Plastics News (IPC Industrial Press Ltd., Quadrant House, The Quadrant, Sutton Surrey SM2 5AS)
Eur.Polym.J.	European Polymer Journal (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW)
Eur.Rubb.J.	European Rubber Journal (Crain Communications Ltd., 25 Bedford Square, London WC1B 3 HG)

VOL.
20
1983

Exhibition Bull.	Exhibition Bulletin (London Bureau, 266-272 Kirkdale, Sydenham, London SE26 4RZ)
Extel Handbook Mark.Leaders	Extel Handbook of Market Leaders (Extel Statistical Services Ltd., 37/45 Paul St., London EC2A 4PB)
FIRA Bull.	FIRA Bulletin (Furniture Industry Research Association, Maxwell Road, Stevenage, Herts.)
Farbe Lack	Farbe und Lack (Curt R. Vincentz Verlag, Postfach 62 47, Schiffgraben 41-43, 3000 Hannover 1, Fed. Rep. of Germany)
Fd.Chem.News Guide	Food Chemical News Guide (Food Chemical News, 400 Wyatt Bldg., 777 14th St., N.W., Washington, D.C. 20005, U.S.A.)
Fd.Chem.Toxic.	Food and Chemical Toxicology (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW)
Fenner V-Belt J.	Fenner V-Belt Journal (J.H. Fenner & Co., Marfleet, Hull HU9 5RA)
Fiberglas Facts	Fiberglas Facts (Owens-Corning Fiberglass Europe SA, Chausee de la Hulpe 178, Bte 7, B-1170 Brussels, Belgium)
Fibreglass Composites News	Fibreglass Composites News (Fibreglass Ltd., St. Helens, Merseyside)
Financial Times	Financial Times (Financial Times Ltd., Bracken House, Cannon St., London EC4P 4BY)
Fire & Mat.	Fire and Materials (Spectrum House, Hillview Gardens, London NW4 2JQ)
Fire Prevention	Fire Prevention (Fire Protection Association, Aldermary House, Queen St., London EC4N 1TJ)
Fire Saf.J.	Fire Safety Journal (Elsevier Sequoia SA, P.O. Box 851, 1001 Lausanne 1, Switzerland)
Fire Sci.Abs.	Fire Science Abstracts (Fire Research Station, Melrose Avenue, Borehamwood, Herts. WD6 2BL)
Focus on Training	Focus on Training (Rubber and Plastics Processing Industry Training Board, Brent House, 950 Great West Road, Brentford, Middlesex TW8 9ES)
Forthcoming Int.Sci.Tech.Conf.	Forthcoming International Scientific and Technical Conferences (Aslib Publications, 3 Belgrave Square, London SW1X 8PL)
Fulmer Newsletter	Fulmer Newsletter (Fulmer Research Institute Ltd., Stoke Poges, Slough SL2 4QD)
Fussboden Ztg.	Fussboden Zeitung (SN-Verlag Michael Steinert, Dillinger Strasse 14, 8870 Gunzburg, Postfach 109, Fed. Rep. of Germany)
Gomu Geppo	GOMU Geppo (Japan Rubber Manufacturers Assn., 5-26, 1-chome, Moto Akasaka Minato-Ku., Tokyo, Japan)
Goodchemco News	Goodchemco News (BF Goodrich Chemical Group), 6100 Oak Tree Boulevard, Cleveland, Ohio 44131, U.S.A.)
Goodrich(B.F.)Canada Inc.World	B.F. Goodrich Canada Inc. World (B.F. Goodrich Canada Inc., 409 Weber St., W. Kitchener, Ontario N2G 4J5, Canada)
Goodyear Clan	Goodyear Clan (Goodyear Tire & Rubber Co. (Great Britain) Ltd., Bushbury, Wolverhampton)
Govt.Publns.	Government Publications (H.M.S.O., P.O. Box 569, London SE1 9NH)
Govt.Rept.Announc.	Government Reports Announcements & Index (National Technical Information Service, 5285 Port Royal Road, Springfield, Va. 22161, U.S.A.; In U.K., Microinfo Ltd., P.O. Box 3, Alton, Hants. GU34 2PG)
Ground Engng.	Ground Engineering (Foundation Publications Ltd., 7 Ongar Road, Brentwood, Essex)
Gummi Asbest Kunst.	Gummi, Asbest, Kunststoffe (Gentner Verlag Stuttgart, Postfach 688, 7000 Stuttgart 1, Fed. Rep. of Germany)
Gummibereifung	Gummibereifung (Bielefelder Verlagsanstalt KG, 4800 Bielefeld 1, Niederwall 53, Postfach 1140, Fed. Rep. of Germany)
HSL Abs.	HSL Abstract (U.K., Health and Safety Executive, Library, Safety Engineering Laboratory, Redhill off Broad Lane, Sheffield S3 7HQ)
Haz.Rev.	Hazards Review (Elsevier Sequoia SA, P.O. Box 851, CH-1001 Lausanne 1, Switzerland)
Hlth.Saf.Exec.Direct.Inf.& Advisory Services (Transl.)	Health and Safety Executive Directorate of Information and Advisory Services (Translations) (Health and Safety Executive, Explosion and Flame Laboratory, Harpur Hill, Buxton, Derbyshire SK17 9JN)
Hlth.Saf.Work	Health and Safety at Work (Maclaren Publishers Ltd., P.O. Box 109, Davis House, 69-77 High St., Croydon CR9 1QH)
Hule Mex.Plast.	Hule Mexicano y Plasticos (Filomeno Mata 13-11, Mexico 1, D.F.)
Husky Newsletter	Husky Newsletter (Husky Injection Molding Systems Ltd., P.O. Box 1000, Bolton, Ontario, Canada LOP 1AO)
Hydrocarb.Process.	Hydrocarbon Processing (Gulf Publishing Co., P.O. Box 2608, Houston, Tex. 77001, U.S.A.)

VOL
20
198

IBM User	IBM User (EMAP Business and Computer Publications, 57A Hatton Garden, London EC1N 8JD)
ICI Engng.Plast.	ICI Engineering Plastics (Imperial Chemical Industries Ltd., Plastics Division, Welwyn Garden City, Herts.)
ICI Mag.	ICI Magazine (Imperial Chemical Industries PLC, Imperial Chemical House, Millbank, London SW1P 3JF)
IEC Process Des.Dev.	Industrial and Engineering Chemistry. Process Design & Development (American Chemical Society, 1155 16th St., N.W., Washington, D.C. 20036, U.S.A.)
IEC Prod.Res.Dev.	Industrial and Engineering Chemistry. Product Research & Development (American Chemical Society, 1155 16th St., N.W., Washington, D.C. 20036, U.S.A.)
IPM:Ind.Prod.Mag.	IPM: Industrial Products Magazine (Dunlop Industrial and Aviation, P.O. Box 41, Bayswater)
Ind.d.Gomma	Industria della Gomma (Gento S.R.L., Via Cesare Battisti, 21-20122 Milano, Italy)
Ind.Market.Dig.	Industrial Marketing Digest (Frederick Polhill (Marketing Consultants) Ltd., The Old Rectory, Ranmore Common, Dorking, Surrey RH5 6SP)
Ind.Saf.Data File	Industrial Safety Data File (United Trade Press Ltd., UTP House, 33-35 Bowling Green Lane, London EC1R ODA)
Ind.Short-Term Trends	Industrial Short-Term Trends (Statistical Office of the European Communities, 5 rue du Commerce, Boite Postale 1003, Luxembourg)
Ind.Usoara:Piel.	Industria Usoara: Pielarie (Roumania)
Ind.Usoara:Text.	Industria Uşoara: Textile (Roumania)
Inf.Chim.	Information Chimie (Societe d'Expansion Technique et Economique, 5 rue Jules-Lefebvre, 75009 Paris, France)
Inf.Int.Online Newsletter	Information Intelligence Online Newsletter (Information Intelligence, Inc., P.O. Box 31098, Phoenix, AZ 85046, U.S.A.)
Inf.News	Information News (Alan Armstrong & Associates Ltd., 8 Queen Victoria St., Reading, Berks RG1 1TG)
Inside R & D	Inside R & D, (Technical Insights Inc., P.O. Box 1304, 158 Linwood Plaza, Fort Lee, New Jersey 07024, U.S.A.)
Insulation/Circuits	Insulation/Circuits (Lake Publishing Corp., Box 159, 700 Peterson Road, Libertyville, Ill. 60048, U.S.A.)
Insulation J.	Insulation Journal (Comprint Ltd., 177 Hagden Lane, Watford WD1 8LW)
Int.J.Adhesion & Adhesives	International Journal of Adhesion and Adhesives (IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5BH)
Int.J.Fatigue	International Journal of Fatigue (IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5BH)
Int.J.Polym.Mat.	International Journal of Polymeric Materials (Gordon and Breach Science Publishers, Inc., 1 Park Avenue, New York, N.Y. 10016, U.S.A.)
Int.Packag.Abs.	International Packaging Abstracts (Pira, Randalls Road, Leatherhead, Surrey KT22 7RU)
Int.Polym.Sci.Technol.	International Polymer Science and Technology (Rubber and Plastics Research Assn. of Great Britain, Shawbury, Shrewsbury, Shropshire SY4 4NR)
Int.Rubb.Dig.	International Rubber Digest (Secretariat of the International Rubber Study Group, Brettenham House, 5-6 Lancaster Place, London WC2E 7ET)
Investors Chronicle	Investors Chronicle (Financial Times Business Publishing Limited, Bracken House, Cannon St., London EC4P 4BY)
Izv.Akad.Nauk SSSR.	Izvestiya Akademii Nauk SSSR. Seriya Khimicheskaya (U.S.S.R.)
Izv.VUZ Kh.i Kh.Tekh.	Izvestiya Vysshikh Uchebnykh Zavedenii. Khimiya i Khimicheskaya Tekhnologiya (U.S.S.R.)
Izv.VUZ Tekh.Leg.Prom.	Izvestiya Vysshikh Uchebnykh Zavedenii. Tekhnologiya Legkoi Promyshlennosti (U.S.S.R.)
J.Adhesion	Journal of Adhesion (Gordon and Breach Science Publishers, Inc., 1 Park Avenue, New York, N.Y. 10016, U.S.A.)
Jap.Chem.Week	Japan Chemical Week (Chemical Daily Co. Ltd., 19-16, Shibaura 3-chome, Minato-ku, Tokyo, Japan)
Jap.Plast.Age	Japan Plastics Age (Plastics Age Co. Ltd., 10-6 Kajicho 1-chome, Chiyoda-ku, Tokyo 101, Japan)
J.Appl.Phys.	Journal of Applied Physics (American Institute of Physics, 335 East 45th St., New York, N.Y. 10017, U.S.A.)
J.Appl.Polym.Sci.	Journal of Applied Polymer Science (John Wiley & Sons Inc., 605 Third Avenue, New York, N.Y. 10158, U.S.A.)
J.Biomed.Mat.Res.	Journal of Biomedical Materials Research (John Wiley & Sons Inc., 605 Third Avenue, New York, N.Y. 10158, U.S.A.)
J.Cell.Plast.	Journal of Cellular Plastics (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Chem.Phys.	Journal of Chemical Physics (American Institute of Physics, 335 East 45th St., New York, N.Y. 10017, U.S.A.)
J.Chromat.	Journal of Chromatography (Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, The Netherlands)
J.Chromat.Biomed.Appln.	Journal of Chromatography. Biomedical Applications (Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, The Netherlands)
J.Chromat.Chromat.Rev.	Journal of Chromatography. Chromatographic Reviews (Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, The Netherlands)

VOL.
20
1983

J.Coated Fabrics	Journal of Coated Fabrics (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Coatings Technol.	Journal of Coatings Technology (Federation of Societies for Coatings Technology, 1315 Walnut St., Philadelphia, Pa, 19107, U.S.A.)
J.Combust.Toxic.	Journal of Combustion Toxicology (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Composite Mat.	Journal of Composite Materials (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Consum.Prod.Flamm.	Journal of Consumer Product Flammability (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Documentation	Journal of Documentation (Aslib, 3 Belgrave Square, London SW1X 8PL)
J.Elastomers Plast.	Journal of Elastomers and Plastics (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Fire Flamm.	Journal of Fire & Flammability (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Fire Retard.Chem.	Journal of Fire Retardant Chemistry (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Macromol.Sci.A J.Macromol.Sci.B J.Macromol.Sci.C	Journal of Macromolecular Science. Parts A-C (Marcel Dekker Inc., P.O. Box 11305, Church Street Station, New York, N.Y. 10249, U.S.A.)
J.Mat.Sci.	Journal of Materials Science (Chapman and Hall, 11 New Fetter Lane, London EC4P 4EE)
J.Mat.Sci.Lett.	Journal of Materials Science Letters (Chapman and Hall, 11 New Fetter Lane, London EC4P 4EE)
J.Mech.Phys.Sol.	Journal of the Mechanics and Physics of Solids (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW)
J.Microwave Pwr.	Journal of Microwave Power (International Microwave Power Institute, Suite 02, 211 East 43rd St., New York, N.Y. 10017, U.S.A.); In Europe, 89 Northwood Avenue, Purley, Surrey CR2 2ES)
J.Nat.Chem.Lab.Ind.	Journal of the National Chemical Laboratory for Industry (National Chemical Laboratory for Industry, Tukuba Research Center, Yatabe Ibaraki 305, Japan)
J.OCCA	Journal of the Oil and Colour Chemists' Association (Priory House, 967 Harrow Road, Wembley, Middlesex HA0 2SF)
J.Occup.Med.	Journal of Occupational Medicine (American Occupation Medical Association, 150 North Wacker Dr., Chicago, Ill. 60606, U.S.A.)
J.Pharm.Sci.	Journal of Pharmaceutical Sciences (American Pharmaceutical Association, 2215 Constitution Ave., N.W. Washington, D.C. 20037, U.S.A.)
J.Phys.D	Journal of Physics. D. Applied Physics (Institute of Physics, 47 Belgrave Square, London SW1X 8QX)
J.Polym.Sci.Macromol.Rev.	Journal of Polymer Science: Macromolecular Reviews (John Wiley & Sons Inc., 605 Third Avenue, New York, N.Y. 10158, U.S.A.)
J.Polym.Sci.Polym.Chem.	Journal of Polymer Science: Polymer Chemistry Edition (John Wiley & Sons Inc., 605 Third Avenue, New York, N.Y. 10158, U.S.A.)
J.Polym.Sci.Polym.Lett.	Journal of Polymer Science: Polymer Letters Edition (John Wiley & Sons Inc., 605 Third Avenue, New York, N.Y. 10158, U.S.A.)
J.Polym.Sci.Polym.Phys.	Journal of Polymer Science: Polymer Physics Edition (John Wiley & Sons Inc., 605 Third Avenue, New York, N.Y. 10158, U.S.A.)
J.Polym.Sci.Polym.Symp.	Journal of Polymer Science: Polymer Symposia (John Wiley & Sons Inc., 605 Third Avenue, New York, N.Y. 10158, U.S.A.)
J.Reinf.Plast.Comp.	Journal of Reinforced Plastics & Composites (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Res.NBS	Journal of Research of the National Bureau of Standards (Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, U.S.A.)
J.Rheol.	Journal of Rheology (John Wiley & Sons Inc., 605 Third Avenue, New York, N.Y. 10158, U.S.A.)
J.RRI Malaysia	Journal of the Rubber Research Institute of Malaysia (Rubber Research Institute of Malaysia, P.O. Box 150, Kuala Lumpur 01-02, Malaysia)
J.RRI Sri Lanka	Journal of the Rubber Research Institute of Sri Lanka (Dartonfield, Agalawatta, Sri Lanka)
J.Strain Anal.Engng.Des.	Journal of Strain Analysis for Engineering Design (Mechanical Engineering Publications Ltd., P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW)
J.Teflon	Journal of Teflon (Du Pont Company, Polymer Products Department, International Marketing Section, Wilmington, D.E. 19898, U.S.A.)
J.Test.Eval.	Journal of Testing and Evaluation (American Society for Testing and Materials, 1916 Race St., Philadelphia, Pa. 19103, U.S.A.)
J.Test.Inst.	Journal of the Textile Institute (10 Blackfriars St., Manchester M3 5DR)
J.Thermal Anal.	Journal of Thermal Analysis (Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ)
J.Thermal Insulation	Journal of Thermal Insulation (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
J.Vinyl Technol.	Journal of Vinyl Technology (Society of Plastics Engineers Inc., 215 Canal St., Manchester, N.H. 03108, U.S.A.)

VOL
20
198

Kauch.i Rezina	Kauchuk i Rezina (U.S.S.R.)
Kaut.u.Gummi Kunst.	Kautschuk und Gummi, Kunststoffe (Dr. Alfred Huthig Verlag GmbH, Postfach 102869, Im Weiher, 6900 Heidelberg1, Fed. Rep. of Germany)
Kobunshi Ronbun.	Kobunshi Ronbunshu (Society of Polymer Science, Hon Building, 12-8 Ginza 5-Chome, Chuo-Ky, Tokyo 104, Japan)
Koll.Zh.	Kolloidnyi Zhurnal (U.S.S.R.)
Kunst.Bau	Kunststoffe im Bau (Carl Hanser Verlag, Kolbergerstrasse 22, Postfach 860420, D-8000 Munich 80, Fed. Rep. of Germany)
Kunst.Plast.	Kunststoffe-Plastics (Verlag Vogt-Schild AG, Dornacherstrasse 39, CH-4501 Solothurn 1, Switzerland)
Kunststoffberater	Kunststoffberater (Umschau Verlag, Stuttgarter Strasse 18-24, 6000 Frankfurter am Main, Fed. Rep. of Germany)
Kunststoffe	Kunststoffe (Carl Hanser Verlag, Kolbergerstrasse 22, Postfach 860420, D-8000 Munich 80, Fed. Rep. of Germany)
List of Stat.Instr.	List of Statutory Instruments (H.M.S.O., P.O. Box 569, London SE1 9NH)
Lubrication	Lubrication (Texaco Services Europe, 1 Knightsbridge Green, London SW1X 7QJ)
Mach.Des.	Machine Design (Penton/IPC Inc., Penton Plaza, 1111 Chester Avenue, Cleveland, Ohio 44114, U.S.A.)
Macplas	Macplas (Promaplast Srl Centro Commerciale Milanofiori, la Strada-Palazzo F/2, 20094 Milano, Italy)
Macromolecules	Macromolecules (American Chemical Society, 1155 16th St., N.W., Washington, D.C. 20036, U.S.A.)
Makromol.Chem.	Makromolekulare Chemie)Huthig & Wepf Verlag, CH-4001 Basel, Eisengasse 5, Switzerland)
Makromol.Chem.Rapid Commun.	Makromolekulare Chemie, Rapid Communications (Huthig & Wepf Verlag, CH-4001 Basel, Eisengasse 5, Switzerland)
Malaysian Rubb.Rev.	Malaysian Rubber Review (Malaysian Rubber Research and Development Board, P.O. Box 508, Kuala Lumpur 01-02, Malaysia; In U.K., Malaysian Rubber Producers' Research Assn., Brickendonbury, Hertford SG13 8NP)
Management Today	Management Today (Management Publications Ltd., 76 Dean St., London W1A 1BU)
Manuf.Chem.	Manufacturing Chemist (Morgan-Grampian (Process Press) Ltd., 30 Calderwood St., Woolwich, London SE18 6QH)
Marketing Week	Marketing Week (Marketing Week Communications Ltd., 6 Holborn Viaduct, London EC1A 2AS)
Mass Spect.Bull.	Mass Spectrometry Bulletin (M.S.D.C., The Royal Society of Chemistry, U.K.C.I.S., The University, Nottingham NG7 2RD)
Mat.Des.	Materials & Design (Scientific & Technical Press, Chilberton House, Doods Road, Reigate, Surrey)
Mat.Engng.	Materials Engineering (Penton/IPC Inc., 1111 Chester Ave., Cleveland, Ohio 44114, U.S.A.)
Mat.News Int.	Materials News International (Dow Corning Inc., Chaussee de la Hulpe 154, B-1170 Brussels, Belgium)
Mat.Plast.	Materials Plastice (Roumania)
Mat.Plast.Elast.	Materie Plastiche ed Elastomeri (Industria Pubblicazioni Audiovisivi, via Meravigli 2, 20123, Milano, Italy)
Mekh.Komp.Mat.	Mekhanika Kompozitnykh Materilov (U.S.S.R.)
Mercado da Borracha no Brasil	Mercado da Borracha no Brasil (Ministerio da Industria e do Comercio, Superintendencia da Borracta, SAS-Q-5 Lote 5 Bloco-H, Brasilia, DF, Brasil)
Merchand.Vision	Merchandising Vision (British Cellophane Ltd., Group Publicity Services, Bath Road, Bridgwater, Somerset TA6 4PA)
Mod.Plast.Int.	Modern Plastics International (McGraw-Hill Publications Overseas Corp., 50 avenue de la Gare, 1003, Lausanne, Switzerland)
Mod.Tire Dealer	Modern Tire Dealer (Bill Communications Inc., 633 Third Ave., New York, N.Y. 10017, U.S.A.)
Monthly Cat.US Govt.Pub.	Monthly Catalog of United States Government Publications (U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402, U.S.A.)
Monthly Statist.Rev.	Monthly Statistical Review (Society of Motor Mfrs. and Traders Ltd., Forbes House, Halkin St., London SW1X 7DS)
Mosstyper	Mosstyper (Mosstype Corporation, Waldwick, N.J. 07463, U.S.A.)
Motor	Motor (IPC Specialist & Professional Press Ltd., Surrey House, Throwley Way, Sutton, Surrey SM1 4QQ)
Motor Busin.	Motor Business (Economist Intelligence Unit Ltd., Spencer House, 27 St. James's Place, London SW1A 1NT)
Muanyag es Gumi	Muanyag es Gumi (Hungary)
NDT Int.	NDT International (Butterworth Scientific Limited, P.O. Box 63, Westbury House, Bury St., Guildford, Surrey GU2 5BH)
NR Technol.	NR Technology (Malaysian Rubber Producers' Research Assn., Brickendonbury, Hertford SG13 8NL)
NTDRA Dealer News	NTDRA Dealer News (National Tire Dealers and Retreaders Assn., 1343 L St., N.W., Washington, D.C. 20005, U.S.A.)
NVR Informatief	NVR Informatief (Nederlandse Vereniging van Rubberfabrikanten, Balistraat 97, 2585 XR 'S-Gravenhage, The Netherlands)

VOL.
20
1983

Nat.Inst.Econ.Rev.	National Institute Economic Review (National Institute Economic and Social Research, 2 Dean Trench St., Smith Square, London SW1P 3HE)
Nat.Rubb.News	Natural Rubber News (Malaysian Rubber Bureau, 1925K St., N.W., Washington, D.C. 20006, U.S.A.)
Nature	Nature (Macmillan (Journals) Ltd., 4 Little Essex St., London WC2R 3LF)
New Scient.	New Scientist (IPC Magazines Ltd., Commonwealth House, 1-19 New Oxford St., London WC1A 1NG)
Nippon Gomu Kyokaishi	Nippon Gomu Kyokaishi (Journal of the Society of Rubber Industry of Japan) (Nippon Gomu Kyokai, 107 Tokyo-to, Minatoku, Motoakasaka 1-5-26, Japan)
Noise Vibr.Contr.Worldwide	Noise & Vibration Control Worldwide (Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW)
Noroil	Noroil (Noroil Publishing House Limited, P.O. Box 486, Hillevagsvn 17, 40001 Stavanger, Norway)
Norsk Hydro	Norsk Hydro (Norsk Hydro, Bygdoyalle 2, Oslo 2, Norway)
Notiziario	Notiziario (Massimiliano Massa S.p.a., via Felice Gasati 44, 20124 Milan, Italy)
Novye Knigi	Novye Knigi (U.S.S.R.) Current issue held only
OEM Des.	OEM Design (Business Publications Ltd., 109-119 Waterloo Road, London SE1 8UL)
Occup.Saf.Hlth.Admin.Sub.Service Vols. 1 & 4	Occupational Safety and Health Administration Subscription Service, Volumes 1 & 4 (replacement pages) (Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, U.S.A.)
Off.Eng.	Offshore Engineer (Thomas Telford Ltd., 26-34 Old St., London EC1V 9AD)
Off.Gaz.US Pat.Trademks.Off.Pat.	Official Gazette of the United States Patent and Trademarks Office. Patents. (Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, U.S.A.)
Off.Gaz.US Pat.Trademks.Off.Trademks.	Official Gazette of the United States Patent and Trademarks Office. Trademarks. (Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, U.S.A.)
Off.J.Pat.	Official Journal (Patents) (Patents Office, Sale Branch, St. Mary Cray, Orpington, Kent BR5 3RD)
Off.Plast.Caout.	Officiel des Plastiques et du Caoutchouc (48 rue de la Bienfaisance, 75008 Paris, France)
Oilman	Oilman (Maclean Hunter Ltd., 30 Old Burlington St., London W1X 2AE)
Online	Online (Online Inc., 11 Tannery Lane, Weston, Conn. 06883, U.S.A.)
Online Notes	Online Notes (Online Information Centre, 3 Belgrave Square, London SW1X 8PL)
Org.Coatings Appl.Polym.Sci.Proc.	Organic Coatings and Applied Polymer Science Proceedings (American Chemical Society, Div. of Organic Coatings and Plastics Chemistry, 1155 Sixteenth Street, N.W., Washington, D.C. 20036, U.S.A.)
Overseas Trade Descrip.Export & Import Stat.	Overseas Trade Descriptions. Export and Import Statistics (British Rubber Manufacturers' Association Ltd., 90/91 Tottenham Court Road, London W1P 0BR)
Overseas Trade Stat.U.K.	Overseas Trade Statistics of the United Kingdom (H.M.S.O., P.O. Box 569, London SE1 9NH)
PIRA News	PIRA News (Pira, Randalls Road, Leatherhead, Surrey KT22 7RU)
PM Newsletter	PM Newsletter (Wealden Press Ltd., South Park Lodge, Mayfield Lane, Wadhurst, East Sussex TN5 6JE)
PR Planner	PR Planner-United Kingdom (Media Information Ltd., Hale House, 290-296 Green Lanes, London N13 5TP)
Package Engng.	Package Engineering (Cahners Publishing Co. Inc., 270 St. Paul St., Denver, Col. 80206, U.S.A.)
Packaging	Packaging (Wheatland Journals Ltd., Penn House, Penn Place, Rickmansworth, Herts. WD3 1SN)
Packag.Rev.	Packaging Review (IPC Industrial Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS)
Paper & Board Abs.	Paper & Board Abstracts (Pira, Randalls Road, Leatherhead, Surrey KT22 7RU)
Paper Film Foil Conv.	Paper, Film & Foil Converter (Maclean-Hunter Publishing Corp., 300 W. Adams St., Chicago, Ill. 60606, U.S.A.)
Personnel Executive	Personnel Executive (Business Publications Ltd., 76 Shoe Lane, London EC4A 3JB)
Pigment Resin Technol.	Pigment & Resin Technology (Sawell Publications Ltd., 127 Stanstead Road, London SE23 1JE)
Pipes Pipelines Int.	Pipes & Pipelines International (Scientific Surveys Ltd., P.O. Box 21 Beaconsfield, Bucks. HP9 1NS)
Pitture Vern.	Pitture e Vernici (La Libreria C. Casiroli, Corso Vittorio Emanuele, 1-Piazza Duomo, 31, 20122 Milan, Italy)
Planters' Bull.	Planters' Bulletin of the Rubber Research Institute of Malaysia (Rubber Research Institute of Malaysia, P.O. Box 150, Kuala Lumpur 01-02, Malaysia)
Plast.Bldg.Constr.	Plastics in Building Construction (Technomic Publishing Co. Inc., 265 Post Road West, Westport, Conn. 06880, U.S.A.)

VOL
20
198

Plast.Busin.	Plastics Business (Kerrwil Publications Ltd., 443 Mount Pleasant Road, Toronto, Ontario M4S 2L8, Canada)
Plast.Compounding	Plastics Compounding (Industry Media Inc., 17th Avenue, Denver, Col. 80218, U.S.A.)
Plast.Des.Process.	Plastics Design and Processing (Lake Publishing Corporation, Box 159, 700 Peterson Road, Libertyville, Ill. 60048, U.S.A.)
Plast.Dig.	Plastics Digest (Plastics Institute of Australia Inc., 157 Fitzroy St., St. Kilda, Victoria 3182, Australia)
Plast.em Rev.	Plasticos em Revista (rua Marques de Itu 95-3, Caixa Postal 30033, Sao Paulo, Brasil)
Plast.Engng.	Plastics Engineering (Society of Plastics Engineers Inc., 14 Fairfield Drive, Brookfield Center, Conn. 06805, U.S.A.)
Plaste u.Kaut.	Plaste unde Kautschuk (VEB Deutscher Verlag fur Grundstoffindustrie, 27 Karl-Heine-Strasse, 7031 Leipzig, German Democratic Republic)
Plast.Flash	Plastiques Flash (Societe Europeene de Presse et d'Edition, 142 rue D'Aguesseau, 92100 Boulogne, France)
Plast Forum	Plast Forum (Plastforum, Box 6518, 5-250 06 Helsingborg, Sweden)
Plastica	Plastica (TIJI Periodieken Service Drift 13, Postbus 139, 3500 AC Utrecht, The Netherlands)
Plasticulture	Plasticulture (Comite International des Plastiques en Agriculture, 65 rue de Prony, 75854 Paris, France)
Plast.Ind.	Plastic Industry (Association of Plastic Manufacturers, A/72 Naraina Industrial Area, Phase-1 New Delhi-110028, India)
Plast.Ind.News(Jap.)	Plastics Industry News (Japan) (Institute of Polymer Industry Inc., Central P.O. Box 1176, Tokyo 100-91, Japan)
Plast.in Engng.	Plastics in Engineering (Amcel Ltd., 78-80 St. Albans Road, Watford, Herts. WD2 4AP)
Plast.Massy	Plasticheskie Massy (U.S.S.R.)
Plast.Mod.Elast.	Plastiques Modernes et Elastomeres (Compagnie Francaise d'Information pour les Entreprises SA, 40 rue du Colisee, 75381 Paris, Cedex 08, France)
Plast.News(Aust.)	Plastics News (Plastics Institute of Australia Inc., 157 Fitzroy St., St. Kilda, Victoria 3182, Australia)
Plast.News Briefs	Plastics News Briefs (Society of the Plastics Industry Inc., 355 Lexington Avenue, New York, NY 10017, U.S.A.)
Plast Nordica	Plast Nordica (Plast Nordica, Box 8053, S-250 08 Helsingborg, Sweden)
Plastnytt	Plastnytt (Skarland Press A/S, Box 1602, Vika, Oslo 1, Norway; for Norsk Plastforening)
Plast Panorama	Plast Panorama Scandinavia (Dansk Bladforlag ApS, Holbergsgade 20, DK-1057 Kobenhavnk, Denmark)
Plast.Renf.Fibres Verre Text.	Plastiques Renforces Fibres de Verre Textile (Centre de Documentation du Verre Textile et des Plastiques Renforces, 65 rue de Prony, 75854 Paris, Cedex 17, France)
Plast.Retail Packag.Bull.	Plastics in Retail Packaging Bulletin (Elsevier Sequoia SA, P.O. Box 851, CH-1001 Lausanne 1, Switzerland; in conjunction with Research Association for the Paper & Board, Printing & Packaging Industries)
Plast.Rubb.Int.	Plastics and Rubber International (Plastics and Rubber Institute, 11 Hobart Place, London SW1W 0HL)
Plast.Rubb.News	Plastics and Rubber News (Thomson Publications S.A. (Pty.) Ltd., P.O. Box 3208, Johannesburg 2000, Transvaal, S. Africa)
Plast.Rubb.Process.Appln.	Plastics and Rubber Processing and Applications (Applied Science Publishers Ltd., Ripple Road, Barking, Essex; for the Plastics and Rubber Institute)
Plast.Rubb.Wkly.	Plastics and Rubber Weekly (Maclaren Publishers Ltd., Maclaren House, Scarbrook Road, Croydon CR9 1QH)
Plast.S.Africa	Plastics Southern Africa (G. Warman & Co. (Pty.) Ltd., P.O. Box 3847, Cape Town 8000, S. Africa)
Plast.Technol.	Plastics Technology (Bill Communications Inc., 633 Third Avenue, New York, N.Y. 10017, U.S.A.)
Plast.Today	Plastics Today (Imperial Chemical Industries Ltd., Plastics Div., Bessemer Road, Welwyn Garden City, Herts.)
Plastverarbeiter	Plastverarbeiter (Zechner & Huthig Verlag GmbH, Daimlerstrasse 9, Postfach 2080, D-6720 Speyer am Rhein, Fed. Rep. of Germany)
Plast.World	Plastics World (Cohners Publishing Co., 221 Columbus Avenue, Boston, Mass. 02116, U.S.A.)
Plasty a Kaucuk	Plasty a Kaucuk (Czechoslovakia)
Polimeri	Polimeri (Society of Plastics & Rubber Engineers, Kaptol 22, Yu-41001, Zagreb, P.O. Box 119, Yugoslavia)
Polim.Tworz.Wielk.	Polimery Tworzywa Wielkoczasteczkowe (Poland)
Poliplasti Plast.Rinf.	Poliplasti e Plastici Rinforzati (ETAS Kompass Periodici Technici SpA, Via Mantegna 6, 20154 Milan, Italy)
Polym.Bull.	Polymer Bulletin (Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Fed. Rep. of Germany)
Polym.Composites	Polymer Composites (Society of Plastics Engineers Inc., 215 Canal St., Manchester, N.H. 03108, U.S.A.)
Polym.Degradat.Stabil.	Polymer Degradation and Stability (Applied Science Publishers Ltd., Ripple Road, Barking, Essex)
Polym.Engng.News	Polymer Engineering News (Dunlp Ltd., Polymer Engineering Division, Evington Valley Road, Leicester LE5 5LY)

VOL.
20
1983

Polym.Engng.Rev.	Polymer Engineering Reviews (Elsevier Sequoia SA, P.O. Box 851, 1001 Lausanne 1, Switzerland)
Polym.Engng.Sci.	Polymer Engineering and Science (Society of Plastics Engineers Inc., 215 Canal St., Manchester, N.H. 03108, U.S.A.)
Polymer	Polymer (Butterworth Scientific Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford GU2 5BH)
Polym.J.(Jap.)	Polymer Journal (Society of Polymer Science, Japan, Hon Bldg., 5-12-8 Ginza, Chuo-Ku, Tokyo 104, Japan)
Polym.News	Polymer News (Gordon & Breach Science Publishers Inc., 42 William IV St., London WC2N 4DE)
Polym.Paint Col.J.	Polymers Paint Colour Journal (Fuel & Metallurgical Journals Ltd., Queensway House, Redhill, Surrey RH1 1QS)
Polym.Photochem.	Polymer Photochemistry (Applied Science Publishers Ltd., Ripple Road, Barking, Essex)
Polym.Plast.Technol.Engng.	Polymer-Plastics Technology and Engineering (Marcel Dekker Inc., 270 Madison Ave., New York, N.Y. 10016, U.S.A.)
Polym.Preprints	Polymer Preprints (American Chemical Society, Division of Polymer Chemistry, Circulation Manager, P.O. Box 20453, Newark, N.J. 07101, U.S.A.)
Polym.Sci.USSR	Polymer Science U.S.S.R. (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW)
Polym.Test.	Polymer Testing (Applied Science Publishers Ltd., Ripple Road, Barking, Essex)
Polysar Prog.	Polysar Progress (Polysar Ltd., Advertising & Sales Promotion Dept., Sarnia, Ont. N7T 7V1, Canada)
Pop.Plast.	Popular Plastics (Colour Publications Private Ltd., 126A Dhruwadi, off Dr. Nariman Road, Bombay 400 025, India)
Printing Abs.	Printing Abstracts (Pira, Randalls Road, Leatherhead, Surrey KT22 7RU)
Prod.Liability Int.	Product Liability International (Lloyd's of London Press Ltd., Sheepen Place, Colchester, Essex CO3 3LP)
Prog.Coll.& Polym.Sci.	Progress in Colloid & Polymer Science (Dr. Dietrich Steinkopff Verlag, P.O. Box 111008, D-6100 Darmstadt 11, Fed. Rep. of Germany)
Prog.Org.Coatings	Progress in Organic Coatings (Elsevier Sequoia SA, P.O. Box 851, 1001 Lausanne 1, Switzerland)
Prog.Polym.Sci.	Progress in Polymer Science (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW)
Program	Program (Aslib, 3 Belgrave Square, London SW1X 8PL)
Proizv.Shin RTI i ATI	Proizvodstvo Shin Rezinotekhnicheskikh i Asbestotekhnicheskikh Izdelii (U.S.S.R.)
Prom.Sint.Kauch.	Promyshlennost Sinteticheskogo Kauchuka (U.S.S.R.)
Pure Appl.Chem.	Pure & Applied Chemistry (Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW; for International Union of Pure and Applied Chemistry)
RRI Sri Lanka Bull.	R.R.I.S.L. Bulletin (Rubber Research Institute of Sri Lanka, Dartonfield, Agalawatta, Sri Lanka)
React.Polym.	Reactive Polymers (Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, The Netherlands)
Recent Lit.Hazard.Environ.Ind.	Recent Literature on Hazardous Environments in Industry (Rubber and Plastics Research Assn. of Great Britain, Shawbury, Shrewsbury, Shropshire SY4 4NR)
Ref.Zh.Kh.Part 19S	Referativnyi Zhurnal: Khimiya. Part 19S (U.S.S.R.)
Reinf.Plast.	Reinforced Plastics (McDonald Publications of London Ltd., 268 High St., Uxbridge, Middlesex UB8 1UA)
Res.Management	Research Management (Industrial Research Institute Inc., 100 Park Avenue, New York, N.Y. 10017, U.S.A.)
Rev.d.Caucho	Revista del Caucho (Consorcio Nacional de Industriales del Caucho, Londres 93, Barcelona 36, Spain)
Rev.Elec.Commun.Lab.	Review of the Electrical Communication Laboratory (Musashino Electrical Communication Laboratory, 9-11 Midori-cho 3-chome, Musashino-shi, Tokyo 180, Japan)
Rev.Plast.Mod.	Revista de Plasticos Modernos (Instituto de Plasticos y Caucho, Calle Juan dela Cierva, 3, Madrid-6, Spain)
Rheol.Acta	Rheologica Acta (Dr. Dietrich Steinkopff Verlag GmbH & Co. KG, Postfach 11 10 08, D-6100 Darmstadt 11, Fed. Rep. of Germany)
Rohm & Haas Reporter	Rohm and Haas Reporter (Rohm and Haas U.K. Ltd., Lennig House, 2 Mason's Avenue, Croydon CR9 3NB)
Rubb.Board Bull.	Rubber Board Bulletin (Rubber Board, Kottayam 686001, India)
Rubb.Chem.Technol.	Rubber Chemistry and Technology (American Chemical Society, Rubber Div., University of Akron, Akron, Ohio 44325, U.S.A.)
Rubb.Dev.	Rubber Developments (Malaysian Rubber Producers' Research Assn., Tun Abdul Razak Laboratory, Brickendonbury, Hertford SG13 8NL)
Rubb.India	Rubber India (All India Rubber Industries Assn., 3/8 Navjivan Society, Lamington Road, Bombay 400 008, India)
Rubb.News	Rubber News (Polymer Publications, 59 Alli Chambers, Tamarind Lane, Fort, Bombay 400 023, India)
Rubb.Plast.Fire Flamm.Bull.	Rubber & Plastics Fire & Flammability Bulletin (Elsevier Sequoia SA, P.O. Box 851, CH-1001 Lausanne 1, Switzerland)
Rubb.Plast.News	Rubber & Plastics News (Crain Automotive Group Inc., 1 Cascade Plaza, Suite 1202, Akron, Ohio 44308, U.S.A.
Rubb.Plast.News 2	Rubber & Plastics News 2 (Crain Automotive Group Inc., 1 Cascade Plaza, Suite 1202, Akron Ohio 44308, U.S.A.)

VOL
20
198

Rubb.Statist.Bull.	Rubber Statistical Bulletin (International Rubber Study Group, Brettenham House, 5-6 Lancaster Place, London WC2E 7ET)
Rubb.Trends	Rubber Trends (Economist Intelligence Unit Ltd., Spencer House, 27 St. James's Place, London SW1A 1NT)
Rubb.World	Rubber World (Hartman Communications Inc., Rubber/Automotive Div., 633 Third Avenue, New York, N.Y. 10017, U.S.A.)
SAMPE J.	SAMPE Journal (SAMPE National Business Office, 668 South Azusa Avenue, P.O. Box 613, Azusa, California 91702, U.S.A.)
SAMPE Qtly.	SAMPE Quarterly (Society for the Advancement of Material and Process Engineering (1407 Brookville Lane, Lynchburg, Virginia 24502, U.S.A.)
SATRA Bull.	SATRA Bulletin (Shoe & Allied Trades Research Association, SATRA House, Rockingham Road, Kettering, Northants NN16 9JH)
Saf.Hlth.Bull.	Safety & Health Bulletin (The Society of the Plastics Industry Inc., 355 Lexington Avenue, New York, N.Y. 10017, U.S.A.)
Scand.J.Work Envir.Hlth.	Scandinavian Journal of Work, Environment and Health (Haartmaninkatu 1, SF-00290 Helsinki 29, Finland; for Institute of Occupational Health et al)
Sci.Papers Prague ICT.C	Scientific Papers of the Prague Institute of Chemical Technology. Part C. Organic Chemistry and Technology (Czechoslovakia)
Serials B.L.L.	Serials in the British Lending Library (The British Library, Bibliographic Services Division, 2 Sheraton Street, London W1V 4BH)
Shell Polym.	Shell Polymers (Shell International Chemical Company Ltd., Shell Centre, London SE1 7PG)
Shirley Inst.Bull.	Shirley Institute Bulletin (Shirley Institute, Manchester M20 8RX)
Speciality Chem.	Speciality Chemicals (Fuel & Metallurgical Journals Ltd., Queensway House, 2 Queensway, Redhill, Surrey RH1 1QS)
Spirax Topics	Spirax Topics (Spirax Sarco Ltd., Charlton House, Cheltenham GL53 8ER)
Sport & Leisure	Sport & Leisure (Sport and Leisure Magazine, 16 Upper Woburn Place, London WC1H 0QP)
Statist.Canad.Consumpt. Prodn.Invent.Rubb.	Statistics Canada. Consumption, Production and Inventories of Rubber and other selected sections (Statistics Canada, Publications Distribution, Ottawa, Ont. K1-0T8, Canada)
Statist.Foreign Trade.B	Statistics of Foreign Trade. Series B. Annual: Tables by Reporting Countries (Organisation for Economic Co-operation and Development, 2 rue Andre-Pascal, 75775 Paris, Cedex 16, France)
Surv.Curr.Busin.	Survey of Current Business (Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, U.S.A.)
TAB Tyres Access.Batt.	TAB: Tyres, Accessories, Batteries (Municipal Publications Ltd., 178-802 Great Portland St., London W1N 6NH)
Technology	Technology (Engineering Today Ltd., 55-7 Great Marlborough St., London)
Tech.Notes Rubb.Ind.	Technical Notes for the Rubber Industry (Bayer AG, Leverkusen, Fed. Rep. of Germany)
Tech.Rdsch.(Bern)	Technische Rundschau (Hallwag Verlag, Nordring 4, CH-3001, Bern, Switzerland)
Tech.Trans.Bull.	Technical Translation Bulletin (Aslib Technical Translation Group, Aslib, 3 Belgrave Square, London SW1X 8PL)
Tennen Gomu	Tennen Gomu (Malaysia)
Text.Inst.Ind.	Textile Institute and Industry (Textile Institute, 10 Blackfriars St., Manchester M3 5DR)
Text.Res.J.	Textile Research Journal (Textile Research Institute, P.O. Box 625, Princeton, N.J. 08540, U.S.A.)
Thermochimica Acta	Thermochimica Acta (Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, The Netherlands)
Tire Sci.Technol.	Tire Science and Technology (Tire Society Inc., Business Office, 1246 Weathervane Lane, Akron, Ohio 44313, U.S.A.)
Toxic.Appl.Pharmac.	Toxicology and Applied Pharmacology (Academic Press Inc., 111 Fifth Avenue, New York, N.Y. 10003, U.S.A.)
Trade Commod.Mark.Summaries C.Exports	Trade by Commodities, Market Summaries. Series C. Exports (Organisation for Economic Co-operation and Development, 2 rue Andre-Pascal, 75775 Paris, Cedex 16, France)
Trade Commod.Mark.Summaries C.Imports	Trade by Commodities, Market Summaries. Series C. Imports (Organisation for Economic Co-operation and Development, 2 rue Andre-Pascal, 75775 Paris, Cedex 16, France)
Trade Mks.J.	Trade Marks Journal (Patent Office, Sale Branch, St. Mary Cray, Orpington, Kent BR5 3RD)
Trans.Am.Soc.Art.Int.Org.	Transactions American Society for Artificial Internal Organs (Dr. George E. Schreiner, Department of Medicine, Georgetown University Hospital, Washington, D.C. 20007, U.S.A.)
Transit Packag.	Transit Packaging (Elsevier Sequoia SA, P.O. Box 851, CH-1001 Lausanne 1, Switzerland; in conjunction with Research Assn. for the Paper & Board, Printing & Packaging Industries)
Trends Analyt.Chem.	Trends in Analytical Chemistry (Elsevier Scientific Publishing Company, P.O. Box 330, 1000 AH Amsterdam, The Netherlands)
Tyres & Access.	Tyres and Accessories (Tyre Industry Publications Ltd., 136 Valley Road, Clacton-on-Sea, Essex CO15 6LX)

VOL.
20
1983

UKAEA List Pub.Avail.Pub.	UKAEA List of Publications Available to the Public (Atomic Energy Research Establishment, Harwell, Oxfordshire)
UNIDO Newsletter	UNIDO Newsletter (United Nations Industrial Development Organisation, P.O. Box 300, A-1400 Vienna, Austria)
USI News	USI News (U.S.I. Chemicals, National Distillers & Chemical Corp., 99 Park Ave., New York, N.Y. 10016, U.S.A.)
Ulrich's Qtly.	Ulrich's Quarterly (R.R. Bowker Company, 1180 Avenue of the Americas, New York, N.Y. 10036, U.S.A.)
Unison	Unison (British United Shoe Machinery Co. Ltd., Union Works, Leicester)
Urethane Plast.Prod.	Urethane Plastics and Products (Technomic Publishing Co. Ltd., 265 Post Road West, Westport, Conn. 06880, U.S.A.)
Urethanes Today	Urethanes Today (Crain Communications Ltd., 25 Bedford Square, London WC1B 3HG)
Vetrotex	Vetrotex (Vetrotex (U.K.) Limited, 3 Beadle Trading Estate, Hithercroft Road, Wallingford, Oxon, OX10 9RA)
Vita Int.	Vita International (British Vita Company Ltd., Middleton, Manchester M24 2DB)
Vys.Soed.B	Vysokomolekulyarnye Soedineniya. Series B (U.S.S.R.)
Wear	Wear (Elsevier Sequoia SA, P.O. Box 851, 1001 Lausanne 1, Switzerland)
Wireless World	Wireless World (IPC Business Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS)
World.List Pub.Stds.	Worldwide List of Published Standards (British Standards Institution, 101 Pentonville Road, London N1 9ND)
World Surface Coat.Abs.	World Surface Coatings Abstracts (Paint Research Assn., Waldegrave Road, Teddington, Middlesex TW11 8LD)
World Textile Abs.	World Textile Abstracts (Shirley Institute, Manchester M20 8RX)
Zh.Prikl.Khim.	Zhurnal Prikladnoi Khimii (U.S.S.R.)
Zh.Strukt.Khim.	Zhurnal Struktumoi Khimii (U.S.S.R.)

VOL
20
198

ABBREVIATIONS USED IN ABSTRACTS

acrylonitrile-butadiene-styrene terpolymer	ABS
Aktiebolaget	AB
Aktiengesellschaft	AG
Aktieselskabet	AS
alternating current	AC
Angstrom	A
application (patents only)	appl
Association	Assn.
atmosphere (pressure)	atm
boiling point	bp
British thermal unit	Btu
Brothers	Bros.
bulletin	bull
calorie	cal
centi (prefix)	c
Compagnie	Cie.
Company	Co.
Corporation	Corp.
cubic centimetre	cc
cubic inch	cu in
cubic metre	cu m
Curie	c
cycles per second	c/s (Hz)
degree Celsius (Centrigrade)	C
degree Fahrenheit	F
degree Kelvin (absolute)	K
Department	Dept.
direct current	DC
Division	Div
dyne	dyn
electron volt	eV
elongation at break, %	EB
ethylene-propylene copolymer	EPM
ethylene-propylene terpolymer	EPDM
foot	ft
freezing point	fp
gallon	gal
Gesellschaft	Ges
Gesellschaft mit beschrankter Haftung	GmbH
glass-reinforced plastics	GRP
gram(me)	g
gram(me)-molecule	mole
hardness	H
horse power	hp
hour	h
hundredweight	cwt
hydrogen ion exponent	pH
inch	in
Incorporated	Inc.
infrared	IR
Junior	Jr.
Kabushuki Kaisha	KK
kilocalorie	Kcal.
kilogram(me)	kg
kilovolt	kV
Kommandit Gesellschaft	KG
Limited	Ltd.
litre	l
Maatschappij	Mij
Manufacturers	Mfrs.
Manufacturing	Mfg
mega (prefix)	M
melting point	mp
metre	m
melamine-formaldehyde resin	MF
miles per hour	mph
millilitre	ml
millimetre	mm
minute	min
molecular weight	molec wt
Naamlooze Vennootschap	NV
natural rubber	NR
acrylonitrile-butadiene copolymer (nitrile rubber)	NBR
ounce	oz
parts by weight	pbw
parts per million	ppm
per cent	%
percent by weight	wt %
polyethylene terephthalate	PEPT
per hundred rubber	phr
phenol-formaldehyde resin	PF
poise	p
polybutadiene	BR
polychlorotrifluoroethylene	PCTFE
polyethylene	PE
polymethylmethacrylate	PMMA
polytetrafluoroethylene	PTFE
polyvinyl chloride	PVC
pound	lb
pounds per square inch	psi
pounds per square inch gauge	psig
polypropylene	PP
Proprietary	Pty
polystyrene	PS
published	publ.
polyvinyl acetate	PVAC
polyvinyl alcohol	PVAL
polyvinyl fluoride	PVF
relative humidity	rh
report	rept
revolution per minute	rev/min
rontgen	r
styrene-acrylonitrile copolymer	SAN
Societe a Responsibilite Limitee	SARL
second (time)	s
Societa per Azioni	Spa
Societe Anonyme	SA
specific gravity	sp gr
specification	specn
square centimetre	sq cm
square inch	sq in
square metre	sqm
stokes	S
styrene-butadiene rubber	SBR
temperature	temp
tensile strength	TS
urea-formaldehyde resin	UF
ultraviolet	UV
Volkseigener Betrieb	VEB
volt	V
volume	vol
Watt	W
weight	wt
yard	yd

VOL.
20
1983